			2	
Name		7) Use the max-min inequality to find upper and	lower bounds for the value of $\int_{1}^{3} \frac{1}{x} dx$. 7) –	
MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the	question.	8) Derive a formula for the area of a circumscribe	ed regular n-sided polygon for a circle of 8)	
Answer each question appropriately. 1) Which of the following integrals, if any, calculates the area of the shaded region?	1)	Facture 7. 9) Use the max-min inequality to show that if f is $\int_{a}^{b} f(x) dx \le 0.$	s integrable and $f(x) \le 0$ on [a, b], then 9) _	
$\begin{array}{c} \begin{array}{c} 2 \\ 1 \\ 2 \\ - \\ - \\ - \\ - \\ - \\ - \\ - \\ - \\ -$		10) What values of a and b maximize the value of	$\int_{a}^{b} (6x - 3x^2) dx? $ 10)	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		11) Integrate $\int \csc^2 x \cot x dx$ using the substitut $u = \csc x$. Show the results are the same.	tion $u = \cot x$ and using the substitution 11)	
$\cdot \cdot \cdot / \cdot \cdot$		MULTIPLE CHOICE. Choose the one alternative that b	pest completes the statement or answers the questio	on.
A) $\int_{-4} -4x dx$ B) $\int_{-2} 4x dx$ C) $\int_{-2} 4x dx$ D) $\int_{-2} -4x dx$	dx	12) Suppose that f has a positive derivative for all	values of x and that $f(2) = 0$. Which of the following f^{X} are	12)
SHORT ANSWER. Write the word or phrase that best completes each statement or answers the que	iestion.	statements must be true of the function $g(x) =$	$\int_{0}^{1} f(t) dt ?$	
2) What values of a and b minimize the value of $\int_{a}^{b} (x^{6} - 4x^{4}) dx$?	2)	 A) The graph of g crosses the x-axis at x = 2. B) The function g has a local maximum at x = C) The function g has a local maximum at x = D) The graph of g has an inflection point at x 	= 2. = 2. = 2.	
3) Use the max-min inequality to show that $1 \le \int_0^1 \sqrt{1 + x^4} dx \le 2$.	3)	Write the sum without sigma notation and evaluate it.		
4) A plane averaged 300 mph on a 600 mile trip and then returned over the same 600 miles at	4)	13) $\sum_{k=1}^{\infty} \frac{8k}{k+17}$		13)
the rate of 400 mph. What was the plane's average speed for the entire trip? Give reasons for your answer.	~/	A) $\frac{8}{1+17} + \frac{8}{2+17} = \frac{148}{171}$	B) $\frac{8}{1+17} + \frac{16}{2+17} = \frac{24}{37}$	
$\int_{-\infty}^{\infty} dt dt = \int_{-\infty}^{\infty} $	-	C) $\frac{8}{1+17} + \frac{16}{2+17} = \frac{220}{171}$	D) $\frac{8}{1+17} + \frac{16}{2+17} = \frac{64}{171}$	
5) Use the max-min inequality to find upper and jower bounds for $\int_{1}^{1} -\frac{dx}{x} dx dx \int_{2}^{1} -\frac{dx}{x} dx$.	5)	Evaluate the integral using the given substitution.		
Add these to arrive at an estimate of $\int_{1}^{3} \frac{1}{x} dx$.		14) $\int 21(7x-3)^{-5} dx$, $u = 7x - 3$	1	14)
or in the f ^b is the first second		A) $-\frac{1}{4}(7x-3)^{-4} + C$	B) $-\frac{1}{2}(7x-3)^{-6} + C$	
6) Explain why the rule $\int_{a} dx = b - a$ holds for any constants a and b.	6)	C) (7x - 3) ⁻⁴ + C	D) $-\frac{1}{2}(7x-3)^{-4} + C$	
1			2	
Write the sum without sigma notation and evaluate it		Evaluate the integral using the given substitution		
Write the sum without sigma notation and evaluate it. 15) $\int_{-\infty}^{4} 2 \cos \frac{\pi}{b}$	15)	Evaluate the integral using the given substitution. $20) \int \frac{12s^3 ds}{\sqrt{t-4}}, u = 6 - s^4$		20)
Write the sum without sigma notation and evaluate it. 15) $\sum_{k=1}^{4} 2 \cos \frac{\pi}{k}$ A) $2 \cos \pi + 2 \cos \frac{\pi}{k} + 2 \cos \frac{\pi}{k} + 2 \cos \frac{\pi}{k} = -1 + \sqrt{2}$	15)	Evaluate the integral using the given substitution. $20) \int \frac{12s^3 \text{ ds}}{\sqrt{6-s^4}}, u=6-s^4$ $A) - \frac{6s^4}{1-s^4}, B) - 6s^3\sqrt{6-s^4} + C$	$C = C - \frac{-3}{1-c} + C$ D) $-6\sqrt{6-s^4} + C$	20)
Write the sum without sigma notation and evaluate it. 15) $\int_{k=1}^{4} 2 \cos \frac{\pi}{k}$ A) $2 \cos \pi + 2 \cos \frac{\pi}{2} + 2 \cos \frac{\pi}{3} + 2 \cos \frac{\pi}{4} = -1 + \sqrt{2}$ B) $2 \cos \pi + 2 \cos \frac{\pi}{4} = -2 + \sqrt{2}$	15)	Evaluate the integral using the given substitution. $20) \int \frac{12s^3 ds}{\sqrt{6-s^4}}, u = 6 - s^4$ $A) \frac{6s^4}{\sqrt{6-s^4}} \qquad B) -6s^3\sqrt{6-s^4} + C$	C) $\frac{-3}{2\sqrt{6-s^4}}$ + C D) $-6\sqrt{6-s^4}$ + C	20)
Write the sum without sigma notation and evaluate it. 15)	15)	Evaluate the integral using the given substitution. $20) \int \frac{12s^3 ds}{\sqrt{6-s^4}}, u=6-s^4$ $A) \frac{6s^4}{\sqrt{6-s^4}} \qquad B) -6s^3\sqrt{6-s^4} + C$ Evaluate the integral by using multiple substitutions. $21) \int \frac{3 \sin^2\sqrt{3y+3} \cos\sqrt{3y+3}}{\sqrt{6-s^4}} dy$	C $C) \frac{-3}{2\sqrt{6-s^4}} + C$ D) $-6\sqrt{6-s^4} + C$	20)
Write the sum without sigma notation and evaluate it. 15) $\int_{k=1}^{4} 2\cos\frac{\pi}{k}$ A) $2\cos\pi + 2\cos\frac{\pi}{2} + 2\cos\frac{\pi}{3} + 2\cos\frac{\pi}{4} = -1 + \sqrt{2}$ B) $2\cos\pi + 2\cos\frac{\pi}{4} = -2 + \sqrt{2}$ C) $2\cos\pi + 2\cos\frac{\pi}{4} + 2\cos\frac{\pi}{3} + 2\cos\frac{\pi}{4} = 3 + \sqrt{2}$ D) $2\cos\pi + 2\cos\frac{\pi}{2} + 2\cos\frac{\pi}{3} + 2\cos\frac{\pi}{4} = -2 + \sqrt{3} + \sqrt{2}$	15)	Evaluate the integral using the given substitution. $20) \int \frac{12s^3 ds}{\sqrt{6-s^4}}, u=6-s^4$ $A) \frac{6s^4}{\sqrt{6-s^4}} \qquad B) -6s^3\sqrt{6-s^4} + C$ Evaluate the integral by using multiple substitutions. $21) \int \frac{3 \sin^2\sqrt{3y+3} \cos\sqrt{3y+3}}{2\sqrt{3y+3}} dy$ $A) \frac{\sqrt{3y+3^3}}{\sqrt{3y+3^3}} + C$	C) $\frac{-3}{2\sqrt{6}-s^4}$ + C D) $-6\sqrt{6}-s^4$ + C B) $\frac{\sin^3 \sqrt{3y+3}}{\sqrt{3y+3}}$ + C	20)
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Write the sum without sigma notation and evaluate it. 15) $\int_{k=1}^{4} 2 \cos \frac{\pi}{k}$ A) $2 \cos \pi + 2 \cos \frac{\pi}{2} + 2 \cos \frac{\pi}{3} + 2 \cos \frac{\pi}{4} = -1 + \sqrt{2}$ B) $2 \cos \pi + 2 \cos \frac{\pi}{2} + 2 \cos \frac{\pi}{3} + 2 \cos \frac{\pi}{4} = -1 + \sqrt{2}$ C) $2 \cos \pi + 2 \cos \frac{\pi}{2} + 2 \cos \frac{\pi}{3} + 2 \cos \frac{\pi}{4} = -1 + \sqrt{2}$ D) $2 \cos \pi + 2 \cos \frac{\pi}{2} + 2 \cos \frac{\pi}{3} + 2 \cos \frac{\pi}{4} = -2 + \sqrt{3} + \sqrt{2}$ Evaluate the integral. 16) $\int_{\pi/2}^{3\pi/2} 11 \cos x dx$ $\pi/2$ A) -22 B) -11 C) 11 D) 22 Find the value of the specified finite sum. 17) Given $\sum_{k=1}^{n} a_k = -5$ and $\sum_{k=1}^{n} b_k = 6$, find $\sum_{k=1}^{n} (a_k + b_k)$. A) -1 B) 30 C) -30 D) 1 Solve the initial value problem. 18) $\frac{dy}{dx} = x(2 + x^2)^2$, $y(0) = 0$ A) $y = \frac{1}{6}(2 + x^2)^3$ B) $y = \frac{1}{6}(2 + x^2)^3 - \frac{4}{3}$ C) $y = \frac{1}{3}(2 + x^2)^3 - \frac{8}{3}$ D) $y = \frac{1}{3}(2 + x^2)^3$ Estimate the value of the quantity. 19) A swimming pool has a leak. The leak is getting worse. The following table gives the leak every 6 hours. Time Leakage $\frac{(hr)}{(gal/hour)}$ $\frac{6}{0}$ 0.5 12 0.7 18 1.1 24 2.4 30 4.5 36 5.6 42 4.6	15) 16) 17) 18) rate 19)	Evaluate the integral using the given substitution. $20) \int \frac{12s^3}{\sqrt{6-s^4}}, u = 6 - s^4$ A) $\frac{6s^4}{\sqrt{6-s^4}}$ B) $-6s^3\sqrt{6-s^4} + C$ Evaluate the integral by using multiple substitutions. $21) \int \frac{3\sin^2\sqrt{3y+3}\cos\sqrt{3y+3}}{2\sqrt{3y+3}} dy$ A) $\frac{\sqrt{3y+3^3}}{3} + C$ C) 2 sin $\sqrt{3y+3} + C$ Solve the problem. 22) After a new firm starts in business, it finds that after t years of operation is given by $\frac{dP}{dt} = 3t^2 - A$) \$4700 B) \$2800 Estimate the value of the quantity. 23) A piece of tissue paper is picked up in gusty we second intervals. Estimate the distance the paper is picked up in gusty we second intervals. Estimate the distance the paper is picked up in gusty we are ond intervals. Estimate the distance the paper is picked up in gusty we second intervals. Estimate the distance the paper is picked up in gusty we are ond intervals. Estimate the distance the paper is picked up in gusty we are ond intervals. Estimate the distance the paper is picked up in gusty we are ond intervals. Estimate the distance the paper is picked up in gusty we are ond intervals. Estimate the distance the paper is picked up in gusty we are ond intervals. Estimate the distance the paper is picked up in gusty we are ond intervals. Estimate the distance the paper is picked up in gusty we are ond intervals. Estimate the distance the paper is picked up in gusty we are ond intervals. Estimate the distance the paper is picked up in gusty we are ond intervals. Estimate the distance the paper is picked up in gusty we are ond intervals. Estimate the distance the paper is picked up in gusty we are ond intervals. Estimate the distance the paper is picked up in gusty we are ond intervals. Estimate the distance the paper is picked up in gusty we are ond intervals. Estimate the distance the paper is picked up in gusty we are ond intervals. Estimate the distance the paper is picked up in gusty we are ond intervals. Estimate the distance the paper is picked up in gusty we are ond intervals. Estimate the distance the paper is picked up in gus	$C) 209 \text{ ft}$ $C) \frac{-3}{2\sqrt{6-s^4}} + C$ $D) -6\sqrt{6-s^4} + C$ $D) \frac{\sin^3 \sqrt{3y+3}}{18} + C$ $D) \frac{\sin^3 \sqrt{3y+3}}{3} + C$ $D) \frac{33800}{12}$ $D) \frac{1}{2}$	20) 21) 22) 23) 24)
Write the sum without sigma notation and evaluate it. 15) $ \int_{k=1}^{4} 2 \cos \frac{\pi}{k} $ A) $2 \cos \pi + 2 \cos \frac{\pi}{2} + 2 \cos \frac{\pi}{3} + 2 \cos \frac{\pi}{4} = -1 + \sqrt{2}$ B) $2 \cos \pi + 2 \cos \frac{\pi}{2} + 2 \cos \frac{\pi}{3} + 2 \cos \frac{\pi}{4} = -1 + \sqrt{2}$ C) $2 \cos \pi + 2 \cos \frac{\pi}{2} + 2 \cos \frac{\pi}{3} + 2 \cos \frac{\pi}{4} = -1 + \sqrt{2}$ D) $2 \cos \pi + 2 \cos \frac{\pi}{2} + 2 \cos \frac{\pi}{3} + 2 \cos \frac{\pi}{4} = -2 + \sqrt{3} + \sqrt{2}$ Evaluate the integral. 16) $ \int_{\pi/2}^{3\pi/2} 11 \cos x dx $ $\pi/2$ A) -22 B) -11 C) 11 D) 22 Find the value of the specified finite sum. 17) Given $ \int_{k=1}^{n} a_k = -5 \text{ and } \int_{k=1}^{n} b_k = 6, \text{ find } \int_{k=1}^{n} (a_k + b_k).$ A) -1 B) 30 C) -30 D) 1 Solve the initial value problem. 18) $\frac{dy}{dx} = x(2 + x^2)^2$, $y(0) = 0$ A) $y = \frac{1}{6}(2 + x^2)^3$ Estimate the value of the quantity. 19) A swimming pool has a leak. The leak is getting worse. The following table gives the leak every 6 hours. After losing 2900 gallons the leak is fitw Approximately how long did the leak last? Use the right endpoints to estimate the first 44 of 44	15) 16) 17) 18) rate 19) sd. hours.	Evaluate the integral using the given substitution. $20) \int \frac{12s^3}{\sqrt{6-s^4}} , u = 6 - s^4$ $A) \frac{6s^4}{\sqrt{6-s^4}} \qquad B) - 6s^3\sqrt{6-s^4} + C$ Evaluate the integral by using multiple substitutions. $21) \int \frac{3 \sin^2 \sqrt{3y+3} \cos \sqrt{3y+3}}{2\sqrt{3y+3}} dy$ $A) \frac{\sqrt{3y+3^3}}{3} + C$ $C) 2 \sin \sqrt{3y+3} + C$ Solve the problem. $22) \text{ After a new firm starts in business, it finds that after t years of operation is given by \frac{dP}{dT} = 3t^2 - A, b) $4700 B) $2800Estimate the value of the quantity.23) A piece of tissue paper is picked up in gusty we second intervals. Estimate the distance the paper is picked up in gusty we second intervals. Estimate the distance the paper is picked up in gusty we second intervals. Estimate the distance the paper is picked up in gusty we second intervals. Estimate the distance the paper is picked up in gusty we second intervals. Estimate the distance the paper is picked up in gusty we second intervals. Estimate the distance the paper is picked up in gusty we second intervals. Estimate the distance the paper is picked up in gusty we second intervals. Estimate the distance the paper is picked up in gusty we second intervals. Estimate the distance the paper is picked up in gusty we second intervals. Estimate the distance the paper is picked up in gusty we second intervals. Estimate the distance the paper is picked up in gusty we second intervals. Estimate the distance the paper is picked up in gusty we second intervals. Estimate the distance the paper is picked up in gusty we second intervals. Estimate the distance the paper is picked up in gusty we second intervals. Estimate is a second intervals. Estimate the distance the paper is picked up in gusty we second intervals. Estimate is a second intervals. Estimate is a second interval in the given curves.24) y = -4sin x, y = sin 2x, 0 \le x \le \pi$ A) 16 B) 4	$C) \frac{-3}{2\sqrt{6-s^4}} + C \qquad D) -6\sqrt{6-s^4} + C$ $B) \frac{\sin^3 \sqrt{3y+3}}{18} + C$ $D) \frac{\sin^3 \sqrt{3y+3}}{3} + C$ T its rate of profits (in hundreds of dollars per year) + 6t + 4. Find the profit in year 3 of the operation. C) \$4800 D) \$3800 T ind. The table shows the velocity of the paper at 2 per travelled using left-endpoints. C) 209 ft D) 232 ft C) 209 ft D) 232 ft C) 8 D) $\frac{1}{2}$	20) 21) 22) 23) 24)
Write the sum without sigma notation and evaluate it. 15) $ \int_{k=1}^{4} 2 \cos \frac{\pi}{k} $ A) $2 \cos \pi + 2 \cos \frac{\pi}{2} + 2 \cos \frac{\pi}{3} + 2 \cos \frac{\pi}{4} = -1 + \sqrt{2}$ B) $2 \cos \pi + 2 \cos \frac{\pi}{2} + 2 \cos \frac{\pi}{3} + 2 \cos \frac{\pi}{4} = -1 + \sqrt{2}$ C) $2 \cos \pi + 2 \cos \frac{\pi}{2} + 2 \cos \frac{\pi}{3} + 2 \cos \frac{\pi}{4} = -1 + \sqrt{2}$ D) $2 \cos \pi + 2 \cos \frac{\pi}{2} + 2 \cos \frac{\pi}{3} + 2 \cos \frac{\pi}{4} = -2 + \sqrt{3} + \sqrt{2}$ Evaluate the integral. 16) $ \int_{\pi/2}^{3\pi/2} 11 \cos x dx $ A) -22 B) -11 C) 11 D) 22 Find the value of the specified finite sum. 17) Given $ \sum_{k=1}^{n} a_k = -5 \text{and} \sum_{k=1}^{n} b_k = 6, \text{ find } \sum_{k=1}^{n} (a_k + b_k). $ A) -1 B) 30 C) -30 D) 1 Solve the initial value problem. 18) $\frac{dy}{dx} = x(2 + x^2)^2, y(0) = 0$ A) $y = \frac{1}{6}(2 + x^2)^3 - \frac{8}{3}$ D) $y = \frac{1}{3}(2 + x^2)^3$ Estimate the value of the quantity. 19) A swimming pol has a leak. The leak is getting worse. The following table gives the leak every 6 hours. Time Leakage $ \frac{(hr)}{(y (yal/hour))} \frac{0}{6} = \frac{0.5}{12} = \frac{0.7}{12} = \frac{1.2}{12} = \frac{0.7}{18} = \frac{1.1}{1.1} = \frac{2.4}{2.4} = \frac{2.4}{30} = \frac{4.5}{6.4} = \frac{2.4}{2.4} = \frac{2.4}{30} = \frac{2.4}{6.4} = \frac{2.4}{2.4} = \frac{2.4}{30} = \frac{2.4}{6.4} = \frac{2.4}{2.4} = \frac{2.4}{30} = $	15) 16) 17) 18) 18) rate 19)	Evaluate the integral using the given substitution. $20) \int \frac{12s^3}{\sqrt{6-s^4}}, u = 6 - s^4$ A) $\frac{6s^4}{\sqrt{6-s^4}}$ B) $-6s^3\sqrt{6-s^4} + C$ Evaluate the integral by using multiple substitutions. $21) \int \frac{3\sin^2\sqrt{3y+3}\cos\sqrt{3y+3}}{2\sqrt{3y+3}} dy$ A) $\frac{\sqrt{3y+3^3}}{3} + C$ C) 2 sin $\sqrt{3y+3} + C$ C) 2 sin $\sqrt{3y+3} + C$ Solve the problem. 22) After a new firm starts in business, it finds that after t years of operation is given by $\frac{dP}{dt} = 3t^2$: A) \$4700 B) \$2800 Estimate the value of the quantity. 23) A piece of tissue paper is picked up in gusty w second intervals. Estimate the distance the paper Time Velocity (secc) (ft/sec) $\frac{2}{6}$ $\frac{8}{4}$ $\frac{12}{21}$ 14 10 16 2 A) 16 B) 212 ft Find the area enclosed by the given curves. $24)$ $y = -4\sin x$, $y = \sin 2x$, $0 \le x \le \pi$ A) 16 B) 4	C) 209 ft D) 232 ft C) 209 ft D) 232 ft C) 8 D) $\frac{12}{2}$	20) 21) 22) 23) 24)

25) $\frac{dr}{d\theta} = \csc^2 15\theta \cot 15\theta$,	$\left(\pi\right)_{-2}$				Use a finite sum to estimate the av	erage value of the fund	and and the set of the	DY Datomine	
1	$\left(\frac{1}{4}\right)^{-3}$			25)	evaluating the function at the mid 30) $f(t) = 2 - \left(\cos \frac{\pi t}{2}\right)^2$ on f0	points of the subinterv (, 4) divided into 4 subir	als.	-, partitioning the f	30)
A) $r = -\frac{1}{30} \cot^2 15\theta + \frac{1}{30} \cot^2 15\theta$	<u>91</u> 30	B) $r = -\frac{1}{30}tan^2 15\theta + \frac{1}{30}tan^2 15\theta$	9 <u>1</u> 30		$A)\frac{3}{2}$	B) $\frac{2-\sqrt{2}}{2}$	C) 2	D) 0	·
C) $r = \frac{1}{6} \csc^3 15\theta \cot^2$	$15\theta + 3$	D) $r = \frac{1}{30} \cot^2 \theta + \frac{89}{30}$			2	2			
Graph the integrand and use ar	eas to evaluate the integra	I.			Evaluate the integral. 31) $\int \frac{x dx}{(7x^2 + 3)^5}$				31)
26) $\int_{0}^{3} 10x dx$				26)	A) $-\frac{1}{56}(7x^2+3)^{-4} + C$		B) $-\frac{7}{3}(7x^2 + 3)^{-6} + C$	2	
A) $\frac{9}{2}$	B) 90	C) 45	D) 30		C) $-\frac{7}{3}(7x^2+3)^{-4}+C$		D) $-\frac{1}{14}(7x^2+3)^{-6}+$	с	
Estimate the value of the quanti	ty.				Graph the function f(x) over the gi	iven interval. Partition	the interval into 4 subinte	ervals of equal length	Then add to
27) Joe wants to find out h The table shows the bo	ow far it is across the lake ats velocity at 10 second in	. His boat has a speedomet ntervals. Estimate the dista	er but no odometer nce across the lake	27)	your sketch the rectangles associat	ted with the Riemann s	um $\sum_{k=1}^{4} f(c_k) \Delta x_k$, using	the indicated point in	the kth
using right-end point	values.				subinterval for c _k .		k=1		
$\frac{(\text{sec)}}{0} \frac{(\text{ft/sec})}{0}$					32) $f(x) = \cos x + 4$, [0, 2 π], m 6 4	idpoint			32)
10 12 20 30					5-				
30 56 40 53 50 58					3-				
60 55 70 58					2- 1-				
80 48 90 15					$\frac{\pi}{2}$ π $\frac{3\pi}{2}$	2π ×			
100 0 A) 3950 ft	B) 5800 ft	C) 3850 ft	D) 385 ft		A)		B) ★		
Solve the initial value problem.					6+ ^y 5 4 √− 1		6+ ^y 5		
28) $\frac{d^{3}s}{dt^{2}} = -128\cos(8t)$, s	$(0) = 6, \ s(0) = 8$	n) - · · ·		28)		1	4⊈ ∖	4	
A) $s = 16 \cos(8t) + 6t$ C) $s = 2 \cos(8t) + 6t$	- 8	B) $s = 2 \cos (8t) + 6t + D) s = -16 \sin (8t) + 6$	6		2-		2		
29) $\frac{dy}{dx} = x^4(x^5 - 5)^2$, y(1)	= 5			29)		↓ ↓		↓ ↓	
A) $y = \frac{1}{5}(x^5 - 5)^1 + \frac{2}{5}$	<u>9</u> 5	B) $y = \frac{1}{15}x^{15} - 5 + \frac{8}{5}$			<u>π</u> π 2 π	<u>3π</u> 2π [^]	$\frac{\pi}{2}$ π	<u>3π</u> 2π [^]	
C) $y = \frac{1}{15}(x^5 - 5)^3 +$	139 15	D) $y = \frac{1}{3}(x^5 - 5)^3 + \frac{19}{15}$							
		-					,		
		5					0		
					Find the desiretion				
C) 6 [‡] y		D)			Find the derivative.				
5		6 7 9			39) $y = \int_{0}^{0} \cos \sqrt{t} dt$				39)
4			71		$\begin{array}{l} 39) \ y = \int_{x^4}^{0} \cos \sqrt{t} dt \\ A) -\sin \left(x^2\right) \end{array}$	B) $4x^3 \cos(x^2)$	C) $-4x^3 \cos(x^2)$	D) $1 - \cos(x^2)$	39)
	$\overline{1}$	6 ⁴ y 5 4 3	41		39) $y = \int_{\chi^4}^{0} \cos \sqrt{t} dt$ A) -sin (x ²) Find the total area of the region be	B) $4x^3 \cos{(x^2)}$ etween the curve and the	C) $-4x^3 \cos{(x^2)}$ e x-axis.	D) 1 - cos (x ²)	39)
4 3- 2- 1-		6 y 5 4 3 2 1			$39) y = \int_{x^4}^{0} \cos \sqrt{t} dt$ $A) -\sin (x^2)$ Find the total area of the region be $40) y = \frac{1}{\sqrt{x}}; \ 1 \le x \le 4$	B) $4x^3 \cos{(x^2)}$ etween the curve and the	C) $-4x^3 \cos(x^2)$ e x-axis.	D) 1 - cos (x ²)	39) 40)
		6 ¹ у 3 4 3 2 1 1 3 2 1 1 3 2 1 1 3 2 7 3 7 3 7 3	<u><u><u>3</u></u> 2₇ x</u>		$39) \ y = \int_{x^4}^{0} \cos \sqrt{t} \ dt$ $A) - \sin (x^2)$ Find the total area of the region be $40) \ y = \frac{1}{\sqrt{x}}; \ 1 \le x \le 4$ $A) \frac{1}{4}$	B) 4x ³ cos (x ²) etween the curve and th B) 2	C) $-4x^{3} \cos (x^{2})$ e x-axis. C) $\frac{1}{2}$	D) 1 - cos (x ²) D) 4	 39) 40)
Solve the initial value problem.	$\frac{3\pi}{2}$ 2x x	6 ⁴ у 5 ⁴ - 3- 2- 1- <u>д</u> д	<u>An</u> <u>An</u> <u>An</u> <u>An</u>		39) $y = \int_{x^4}^{0} \cos \sqrt{t} dt$ A) -sin (x ²) Find the total area of the region be 40) $y = \frac{1}{\sqrt{x}}; 1 \le x \le 4$ A) $\frac{1}{4}$ Evaluate the integral by using mul	B) 4x ³ cos (x ²) tween the curve and th B) 2 Itiple substitutions.	C) $-4x^{3} \cos (x^{2})$ e x-axis. C) $\frac{1}{2}$	D) 1 - cos (x ²) D) 4	39) 40)
Solve the initial value problem. $33) \frac{dy}{dx} = \frac{9}{(4+x)2'} y(0) = 0$		6 ¹ у 3 4 3 2 1 1 <u>ж</u> д	<u>3m</u> 2 2m ×	33)	$39) \ y = \int_{x^4}^{0} \cos \sqrt{t} \ dt$ $A) - \sin (x^2)$ Find the total area of the region be $40) \ y = \frac{1}{\sqrt{x}}; \ 1 \le x \le 4$ $A) \frac{1}{4}$ Evaluate the integral by using muldiplication of the second statement of the second	B) 4x ³ cos (x ²) etween the curve and th B) 2 Itiple substitutions.	C) $-4x^{3} \cos (x^{2})$ e x-axis. C) $\frac{1}{2}$	D) 1 - cos (x ²) D) 4	 39) 40) 41)
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Solve the initial value problem. 33) $\frac{dy}{dx} = \frac{9}{(4+x)2^{-1}} y(0) =$ A) $y = \frac{9}{4+x} + 4$ Evaluate the integral. 34) $\int_{-\pi/4}^{3\pi/4} 9 \sec \theta \tan \theta d$ A) $9\sqrt{2}$ 35) $\int_{1}^{5} 7 dx$ A) 7 Graph the integrand and use arr 36) $\int_{-3}^{3} (2x+6) dx$ A) 36 Find the average value of the fundation of	$\frac{3\pi}{2} - \frac{9}{2\pi} \times \frac{25}{4}$ B) $y = \frac{-9}{4 + x} + \frac{25}{4}$ B) 0 B) 0 B) 42 eas to evaluate the integra B) 18 inction over the given intee B) 80 evaluate the integral	$c) y = \frac{9}{4+x} + \frac{7}{4}$ $c) -18\sqrt{2}$ $c) -7$ $c) 12$ $c) 12$ $c) 160$	$D) y = \frac{-9}{4 + x} + 4$ $D) -9\sqrt{2}$ $D) 28$ $D) 72$ $D) 320$	33)	$39) y = \int_{x^4}^{0} \cos \sqrt{t} dt$ $A) -\sin (x^2)$ Find the total area of the region be $40) y = \frac{1}{\sqrt{x}}; 1 \le x \le 4$ $A) \frac{1}{4}$ Evaluate the integral by using mulder of the second	B) $4x^3 \cos(x^2)$ etween the curve and th B) 2 Itiple substitutions. ite sum. $\sum_{k=1}^{n} 6 a_k .$ B) -1 gral where P is a partitive k_k [3,4] B) $\int_4^3 \frac{9}{x^5} dx$	C) $-4x^{3} \cos (x^{2})$ e x-axis. C) $\frac{1}{2}$ B) $\frac{2}{1 + \cot^{3} x} + C$ D) $\frac{6x^{2}}{(1 + x^{3})^{2}} + C$ C) 36 c) 36 c) $\int_{3}^{4} \frac{9}{x^{5}} dx$	D) 1 - cos (x ²) D) 4 D) -36 D) $\int_{3}^{4} \frac{9}{x} dx$	39) 40) 41) 42) 43) 44)
Solve the initial value problem. $33) \frac{dy}{dx} = \frac{9}{(4 + x)^2}, y(0) =$ $A) y = \frac{9}{4 + x} + 4$ Evaluate the integral. $34) \int_{-\pi/4}^{3\pi/4} 9 \sec \theta \tan \theta d$ $A) 9\sqrt{2}$ $35) \int_{1}^{5} 7 dx$ $A) 7$ Graph the integrand and use are $36) \int_{-3}^{3} (2x + 6) dx$ $A) 36$ Find the average value of the fut 37) f(x) = 10x on [7, 9] $A) 40$ Use the substitution formula to $38) \int_{1}^{1} (8y^2 - y + 1)^{-1/3}$	B) $y = \frac{-9}{4+x} + \frac{25}{4}$ B) $y = \frac{-9}{4+x} + \frac{25}{4}$ B) 0 B) 42 Case to evaluate the integrat B) 18 Inction over the given inter B) 80 evaluate the integral. (32y - 2) dy	$c) y = \frac{9}{4 + x} + \frac{7}{4}$ $c) -18\sqrt{2}$ $c) -7$ $c) -12$ rval. $c) 160$	$D) y = \frac{-9}{4 + x} + 4$ $D) -9\sqrt{2}$ $D) 28$ $D) 72$ $D) 320$	33)	$39) y = \int_{x4}^{0} \cos \sqrt{t} dt$ A) -sin (x ²) Find the total area of the region be 40) y = $\frac{1}{\sqrt{x}}$; 1 ≤ x ≤ 4 A) $\frac{1}{4}$ Evaluate the integral by using mulder of the second sec	B) $4x^3 \cos(x^2)$ etween the curve and th B) 2 Itiple substitutions. ite sum. $\sum_{k=1}^{n} 6 a_k.$ B) -1 gral where P is a partitive k_k [3,4] B) $\int_{4}^{3} \frac{9}{x^5} dx$	C) $-4x^{3} \cos (x^{2})$ e x-axis. C) $\frac{1}{2}$ B) $\frac{2}{1 + \cos^{3}x} + C$ D) $\frac{6x^{2}}{(1 + x^{3})^{2}} + C$ C) 36 on of the given interval. C) $\int_{3}^{4} \frac{9}{x^{5}} dx$	D) 1 - cos (x ²) D) 4 D) -36 D) $\int_{3}^{4} \frac{9}{x} dx$	39) 40) 41) 42) 43) 44)
Solve the initial value problem. $33) \frac{dy}{dx} = \frac{9}{(4+x)^2}, y(0) =$ $A) y = \frac{9}{4+x} + 4$ Evaluate the integral. $34) \int_{-\pi/4}^{3\pi/4} 9 \sec \theta \tan \theta d$ $A) 9\sqrt{2}$ $35) \int_{1}^{5} 7 dx$ $A) 7$ Graph the integrand and use arr $36) \int_{-3}^{3} (2x+6) dx$ $A) 36$ Find the average value of the fut 37) f(x) = 10x on [7, 9] $A) 40$ Use the substitution formula to $38) \int_{0}^{1} (8y^2 - y + 1)^{-1/3}$ $A) 4$	$y = \frac{-9}{4 + x} + \frac{25}{4}$ $B) y = \frac{-9}{4 + x} + \frac{25}{4}$ $B) 0$ $B) 42$ The constraints of the second secon	$c) y = \frac{9}{4 + x} + \frac{7}{4}$ $c) -18\sqrt{2}$ $c) -7$ $c) -12$ rval. $c) 12$ rval. $c) 160$	$\frac{3\pi}{2} \frac{-9}{2\pi} + 4$ D) $y = \frac{-9}{4 + x} + 4$ D) $-9\sqrt{2}$ D) 28 D) 72 D) 320 D) 9	33) 34) 35) 36) 37) 38)	39) $y = \int_{x^4}^{0} \cos \sqrt{t} dt$ x^4 A) -sin (x ²) Find the total area of the region be 40) $y = \frac{1}{\sqrt{x}}$; $1 \le x \le 4$ A) $\frac{1}{4}$ Evaluate the integral by using mulder of the second	B) $4x^3 \cos(x^2)$ etween the curve and th B) 2 Riple substitutions. its sum. $\sum_{k=1}^{n} 6 a_k$. B) -1 gral where P is a partition k_k [3,4] B) $\int_4^3 \frac{9}{x^5} dx$.	C) $-4x^{3} \cos (x^{2})$ e x-axis. C) $\frac{1}{2}$ B) $\frac{2}{1 + \cos^{3}x} + C$ D) $\frac{6x^{2}}{(1 + x^{3})^{2}} + C$ C) 36 on of the given interval. C) $\int_{3}^{4} \frac{9}{x^{5}} dx$	D) 1 - cos (x ²) D) 4 D) -36 D) $\int_{3}^{4} \frac{9}{x} dx$	39) 40) 41) 42) 43) 44)
Solve the initial value problem. $33) \frac{dy}{dx} = \frac{9}{(4+x)2}, y(0) =$ $A) y = \frac{9}{4+x} + 4$ Evaluate the integral. $34) \int_{-\pi/4}^{3\pi/4} 9 \sec \theta \tan \theta d$ $A) 9\sqrt{2}$ $35) \int_{1}^{5} 7 dx$ $A) 7$ Graph the integrand and use are $36) \int_{-3}^{3} (2x+6) dx$ $A) 36$ Find the average value of the fut 37) f(x) = 10x on [7,9] $A) 40$ Use the substitution formula to $38) \int_{0}^{1} (8y^2 - y + 1)^{-1/3}$ $A) 4$	$\frac{3x}{2} - \frac{9}{2x} + \frac{25}{4}$ $(a) = (b) = \frac{9}{4 + x} + \frac{25}{4}$ $(b) = (b) = $	$c) y = \frac{9}{4+x} + \frac{7}{4}$ $c) -18\sqrt{2}$ $c) -7$ $c) -12$ rval. $c) 12$ $c) 160$ $c) \frac{9}{2}$	$D) y = \frac{-9}{4 + x} + 4$ $D) -9\sqrt{2}$ $D) 28$ $D) 72$ $D) 320$	33)	$39) y = \int_{x^4}^{0} \cos \sqrt{t} dt$ $A) -\sin (x^2)$ Find the total area of the region be $40) y = \frac{1}{\sqrt{x}}; 1 \le x \le 4$ $A) \frac{1}{4}$ Evaluate the integral by using mulder of the second	B) $4x^3 \cos(x^2)$ etween the curve and th B) 2 Itiple substitutions. ite sum. $\sum_{k=1}^{n} 6 a_k .$ B) -1 gral where P is a partitive $k_k [3,4]$ B) $\int_{4}^{3} \frac{9}{x^5} dx$ B) $\frac{9}{4}$	C) $-4x^{3} \cos (x^{2})$ e x-axis. C) $\frac{1}{2}$ B) $\frac{2}{1 + \cos^{3} x} + C$ D) $\frac{6x^{2}}{(1 + x^{3})^{2}} + C$ C) 36 C) 36 C) $\int_{3}^{4} \frac{9}{x^{5}} dx$	D) 1 - cos (x ²) D) 4 D) -36 D) $\int_{3}^{4} \frac{9}{x} dx$ D) $\int_{3}^{4} \frac{9}{x} dx$	39) 40) 41) 42) 43) 44)

























Find the value of the specified finite sum.		Find the area of the shaded region.				
252) Given $\sum_{k=4}^{n} a_{k} = 4$ and $\sum_{k=9}^{n} b_{k} = 9$, find $\sum_{k=7}^{n} (a_{k} - 2b_{k})$.	252)	256) $y = 2x^2 + x - x^2$	$6 y = x^2 - 4$			256)
$ \begin{array}{c} \sum_{k=1}^{n} \sum_{k=1}^{n$		↓ 5+ ^y 4+	/			
A) 14 B) 22 C) -14 D) -22			/			
Answer each question appropriately. C^3 where C^3 is a set of C^0 in the set of C^3 is a set		-4 -3 -1 -1-1 1/2	3 4 X			
253) Suppose that $\int_{0}^{1} f(x) dx = 10$. Find $\int_{-3}^{1} f(x) dx$, if t is even.	253)					
A) -30 B) 10 C) -10 D) 30						
Solve the initial value problem.						
254) $\frac{dy}{dx} = \sin(4x + \pi), y(0) = 2$	254)	A) 9/2	B) 8/3	C) $\frac{11}{6}$	D) $\frac{19}{3}$	
A) $y = -\frac{1}{4}\cos(4x + \pi) + \frac{7}{4}$ B) $y = 4\cos(4x + \pi) + 2$		Write the sum without sigma nota	ion and avaluate it			
C) $y = -\cos(4x + \pi) + 1$ D) $y = -\frac{1}{4}\cos(4x + \pi) + 2$		$257) \xrightarrow{3}{\Sigma} 4k \cos k\pi$	ion and evaluate it.			257)
*		k=1				237)
Solve the problem. 255) Suppose that f is the differentiable function shown in the graph and that the position at time t (in	255)	A) $4 \cos \pi + 64 \cos 3\pi =$ C) $4 \cos \pi + 16 \cos 2\pi +$	-68 64 cos 3 $\pi = -52$	B) $4 \cos \pi + 16 \cos 2\pi$ D) $4 \cos \pi + 16 \cos \pi$	$+ 64 \cos 3\pi = 52$ - 64 cos $\pi = -84$	
seconds) of a particle moving along a coordinate axis is $s = \int_{0}^{t} f(x) dx$ feet.		Evaluate the integral		.,		
$\mathbf{v} = \mathbf{f}(\mathbf{x})$		$(258) \int \frac{dx}{1-4}$				258)
"‡ ^y		$\sum_{n=1}^{\infty} x_n x_n$	$(\mathbf{R}) \frac{1}{2} \ln (\ln \sqrt{4}) + C$	$(1) \frac{1}{2} \ln x^4 + C$	D $\ln x^4 + C$	
		A) III(III x-)+C	$\frac{1}{4}$ m (m x-)+C	$C)\frac{1}{4}mx^{-+}C$	<i>D</i>) III X -+ C	
		259) $\int \csc\left[z + \frac{\pi}{2}\right] \cot\left[z + \frac{\pi}{2}\right]$	dz			259)
$\leftarrow 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 $		A) $-\cot\left[z + \frac{\pi}{2}\right] + C$		B) $-\csc\left(z+\frac{\pi}{2}\right)+C$		
$-\frac{2}{4}$ $(4/2.4)$ $(6, -3.6)$		(π)				
		C) $\csc\left[z+\frac{1}{3}\right]+C$		$D = \frac{1}{3} \csc \left[z + \frac{1}{3} \right] + C$		
What is the particle's velocity at time $t = 6$?						
A) -3.6 ft/sec B) 0 ft/sec C) 3.6 ft/sec D) 1.8 ft/sec						
57				58		
57				58		
57				58		
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57				58		
57				58		
57 Graph the function f(x) over the given interval. Partition the interval into 4 subintervals of equal length. T	Then add to	Express the limit as a definite inter	gral where P is a partiti	58 on of the given interval.		2(1)
57 Graph the function f(x) over the given interval. Partition the interval into 4 subintervals of equal length. T your sketch the rectangles associated with the Riemann sum $\sum_{k=1}^{5} f(c_k) \Delta \mathbf{x}_k$, using the indicated point in the	Then add to 1e kth	Express the limit as a definite integration $2611 \lim \ \mathbf{p}\ \to 0$ $\sum_{k=1}^{n} (\sin c_k) \angle 1$	zral where P is a partitie μx _k , [-π/4, 0]	58 on of the given interval.		261)
57 Graph the function f(x) over the given interval. Partition the interval into 4 subintervals of equal length. T your sketch the rectangles associated with the Riemann sum $\sum_{k=1}^{\infty} f(c_k) \Delta x_k$, using the indicated point in the subinterval for c_k . 260) f(x) = -2x-2 (0.4), midpoint	Then add to 1e kth 260)	Express the limit as a definite integration $2611 \lim_{k \to 0} \lim_{k \to 0} \sum_{k=1}^{n} (\sin c_k) \angle A$	zral where P is a partitic .x _k , [-π/4, 0] B) ∫ ⁰ sin x dx	58 on of the given interval. C) $\int^{\pi/4} \sin x dx$	D) ∫ ⁰ cos x dx	261)
57 Graph the function f(x) over the given interval. Partition the interval into 4 subintervals of equal length. T your sketch the rectangles associated with the Riemann sum $\sum_{k=1}^{\infty} f(c_k) \Delta x_k$, using the indicated point in th subinterval for c_k . 260) f(x) = -2x^2, [0, 4], midpoint	Then add to se kth 260)	Express the limit as a definite integration 261 lim $\ \mathbf{p}\ \rightarrow 0$ $\sum_{k=1}^{n} (\sin c_k) \Delta A$ A) $\int_{1}^{n} \sin x dx$	gral where P is a partition $x_{kr} [-\pi/4, 0]$ B) $\int_{-\pi/4}^{0} \sin x dx$	58 on of the given interval. $C_{0} \int_{0}^{\pi/4} \sin x dx$	D) $\int_{-\pi/4}^{0} \cos x dx$	261)
57 Graph the function f(x) over the given interval. Partition the interval into 4 subintervals of equal length. T your sketch the rectangles associated with the Riemann sum $\sum_{k=1}^{\infty} f_i(c_k) \Delta x_k$, using the indicated point in th subinterval for c_k . 260) f(x) = -2x2, [0, 4], midpoint $4\frac{1}{2}$ y = -1 = 2 = 3 = 4 \times 3	Then add to ie kth 260)	Express the limit as a definite integration $2611 \lim_{k \to 0} \lim_{k \to 1} \lim_{k \to 0} \sum_{k=1}^{n} (\sin c_k) \Delta A$ A) $\int_{1}^{n} \sin x dx$ Find the area enclosed by the given	gral where P is a partition $x_{K'}$ [- $\pi/4$, 0] B) $\int_{-\pi/4}^{0} \sin x dx$ in curves.	58 on of the given interval. $C \int_{0}^{\pi/4} \sin x dx$	D) $\int_{-\pi/4}^{0} \cos x dx$	261)
57 Graph the function f(x) over the given interval. Partition the interval into 4 subintervals of equal length. T your sketch the rectangles associated with the Riemann sum $\sum_{k=1}^{4} f(c_k) \Delta x_k$, using the indicated point in the subinterval for c_k . 260) f(x) = -2x2, [0, 4], midpoint $4\frac{1}{4}$, $\frac{1}{1}$, $\frac{1}{2}$, $\frac{1}{3}$, $\frac{1}{4}$	Then add to ie kth 260)	Express the limit as a definite integ $2611 \lim_{k \to 0} \mathbf{F} \to 0 \sum_{k=1}^{n} (\sin c_k) \ 2$ A) $\int_{1}^{n} \sin x \ dx$ Find the area enclosed by the given $2621 \ y = 2x - x^2, \ y = 2x - 4$ A) $\frac{34}{4}$	gral where P is a partition $x_{K_{V}} [-\pi/4, 0]$ B) $\int_{-\pi/4}^{0} \sin x dx$ in curves. B) $\frac{32}{2}$	58 on of the given interval. $C) \int_{0}^{\pi/4} \sin x dx$ $C) \frac{31}{2}$	D) $\int_{-\pi/4}^{0} \cos x dx$	261)
57 Graph the function f(x) over the given interval. Partition the interval into 4 subintervals of equal length. To your sketch the rectangles associated with the Riemann sum $\sum_{k=1}^{4} f(c_k) \Delta r_k$, using the indicated point in the subinterval for c_k . 260) f(x) = -2x2, [0, 4], midpoint $4 \frac{1}{4} \frac{1}{1} \frac{1}{2} \frac{1}{3} \frac{1}{4} \frac{1}{x}$	Then add to ie kth 260)	Express the limit as a definite integral 261) $\lim \ \mathbf{p}\ \to 0 \sum_{k=1}^{n} (\sin c_k) d_k$ A) $\int_{1}^{n} \sin x dx$ Find the area enclosed by the given 262) $y = 2x - x^2$, $y = 2x - 4$ A) $\frac{34}{3}$	gral where P is a partition	58 on of the given interval. $C \int_{0}^{\pi/4} \sin x dx$ $C \int_{3}^{31}$	D) $\int_{-\pi/4}^{0} \cos x dx$ D) $\frac{37}{3}$	261)
57 Graph the function f(x) over the given interval. Partition the interval into 4 subintervals of equal length. To your sketch the rectangles associated with the Riemann sum $\sum_{k=1}^{4}$ f(ck) Δx_k , using the indicated point in the subinterval for ck. 260) f(x) = -2x^2, [0, 4], midpoint $4\frac{4y}{1}$ 260) f(x) = -2x^2, [0, 4], midpoint $4\frac{4y}{1}$ $4\frac{4}{1}$ $4\frac{4y}{1}$	Then add to ie kth 260)	Express the limit as a definite integ 261) $\lim \ \mathbf{p}\ \to 0 \sum_{k=1}^{n} (\sin k) \angle A$ A) $\int_{1}^{n} \sin x dx$ Find the area enclosed by the given 262) $y = 2x - x^2$, $y = 2x - 4$ A) $\frac{34}{3}$ 263) Find the area of the regio	gral where P is a partition $x_{K_{F}} [-\pi/4, 0]$ B) $\int_{-\pi/4}^{0} \sin x dx$ a curves. B) $\frac{32}{3}$ in the first quadrant b	58 on of the given interval. $C_{0} \int_{0}^{\pi/4} \sin x dx$ $C_{0} \frac{31}{3}$ ounded on the left by the	D) $\int_{-\pi/4}^{0} \cos x dx$ D) $\frac{37}{3}$ ine $y = \frac{\pi}{6}$ and on the	261) 262) 263)
57 Graph the function f(x) over the given interval. Partition the interval into 4 subintervals of equal length. T your sketch the rectangles associated with the Riemann sum $\sum_{k=1}^{4} f(c_k) \Delta x_k$, using the indicated point in the subinterval for c_k. 260) f(x) = -2x2, [0, 4], midpoint $\frac{4y}{1}$ $\frac{1}{2}$	Then add to ie kth 260)	Express the limit as a definite integ 261) $\lim \ \mathbf{p}\ \to 0 \sum_{k=1}^{n} (\sin k) \angle A$ A) $\int_{1}^{n} \sin x dx$ Find the area enclosed by the given 262) $y = 2x - x^2$, $y = 2x - 4$ A) $\frac{34}{3}$ 263) Find the area of the regioning the given by the curves $y = \tan x$	gral where P is a partition $x_{1}x_{1}(-\pi/4, 0)$ B) $\int_{-\pi/4}^{0} \sin x dx$ a curves. B) $\frac{32}{3}$ in the first quadrant b $n^{2} x$ and $y = \cot^{2} x$. (R	58 on of the given interval. C) $\int_{0}^{\pi/4} \sin x dx$ C) $\frac{31}{3}$ ounded on the left by the sound to four decimal place	D) $\int_{-\pi/4}^{0} \cos x dx$ D) $\frac{37}{3}$ line $y = \frac{\pi}{6}$ and on the 25.)	261) 262) 263)
57 Graph the function f(x) over the given interval. Partition the interval into 4 subintervals of equal length. The subinterval for ck. 260) f(x) = -2x^2, [0, 4], midpoint $\frac{4y}{1}$ 260) f(x) = -2x^2, [0, 4], midpoint $\frac{4y}{1}$	Then add to ie kth 260)	Express the limit as a definite inter 261) $\lim \ \mathbf{p}\ \to 0$ $\sum_{k=1}^{n} (\sin c_k) \angle A$ A) $\int_{1}^{n} \sin x dx$ Find the area enclosed by the given 262) $y = 2x - x^2$, $y = 2x - 4$ A) $\frac{34}{3}$ 263) Find the area of the regioning the given by the curves $y = \tan A$ A) 0.4126	gral where P is a partition $x_{K_{x}} [-\pi/4, 0]$ B) $\int_{-\pi/4}^{0} \sin x dx$ in curves. B) $\frac{32}{3}$ in in the first quadrant b $n^{2} x$ and $y = \cot^{2} x$. (Re B) 4.3094	58 on of the given interval. C) $\int_{0}^{\pi/4} \sin x dx$ C) $\frac{31}{3}$ ounded on the left by the sound to four decimal place C) 0.5858	D) $\int_{-\pi/4}^{0} \cos x dx$ D) $\frac{37}{3}$ ine $y = \frac{\pi}{6}$ and on the es.) D) 0.3094	261) 262) 263)
57 Graph the function f(x) over the given interval. Partition the interval into 4 subintervals of equal length. To your sketch the rectangles associated with the Riemann sum $\sum_{k=1}^{n} f(c_k) \Delta x_k$, using the indicated point in the subinterval for c_k . 260) f(x) = -2x^2, [0, 4], midpoint $\frac{1}{1}$ $\frac{1}{2}$ $\frac{1}{3}$ $\frac{1}{4}$	Then add to ie kth 260)	Express the limit as a definite inter $261) \lim \ \mathbf{p}\ \to 0 \sum_{k=1}^{n} (\sin c_k) \angle A$ $A) \int_{1}^{n} \sin x dx$ Find the area enclosed by the given $262) \ y = 2x - x^2, \ y = 2x - 4$ $A) \frac{34}{3}$ $263) Find the area of the regioning the problem curves y = tar A) 0.4126 Solve the initial value problem.$	gral where P is a partition $x_{K_{r}} [-\pi/4, 0]$ B) $\int_{-\pi/4}^{0} \sin x dx$ a curves. B) $\frac{32}{3}$ in in the first quadrant b n ² x and y = cot ² x. (Ro B) 4.3094	58 on of the given interval. C) $\int_{0}^{\pi/4} \sin x dx$ C) $\frac{31}{3}$ ounded on the left by the bound to four decimal place C) 0.5858	D) $\int_{-\pi/4}^{0} \cos x dx$ D) $\frac{37}{3}$ ine $y = \frac{\pi}{6}$ and on the (s5.) D) 0.3094	261) 262) 263)
57 Graph the function f(x) over the given interval. Partition the interval into 4 subintervals of equal length. T your sketch the rectangles associated with the Riemann sum $\sum_{k=1}^{n} f(c_k) \Delta x_k$, using the indicated point in the subinterval for c_k . 20) f(x) = -2x2, [0, 4], midpoint $\frac{4y}{1-2-3-4x}$ $\frac{1}{2}$ 	Then add to he kth 260)	Express the limit as a definite inter $2611 \lim \ p\ \to 0 \sum_{k=1}^{n} (\sin c_k) \angle A$ $A) \int_{1}^{n} \sin x dx$ Find the area enclosed by the given $262) \ y = 2x - x^2, \ y = 2x - 4$ $A) \frac{34}{3}$ $263) Find the area of the region right by the curves y = tan A) 0.4126$ Solve the initial value problem. $264) \ \frac{dy}{dx} = x \cos(6x^2), \ y(0) = 1$	gral where P is a partition x_{1x} , $[-\pi/4, 0]$ B) $\int_{-\pi/4}^{0} \sin x dx$ an curves. B) $\frac{32}{3}$ in in the first quadrant b $n^{2} x$ and $y = \cot^{2} x$. (Re B) 4.3094	58 on of the given interval. C) $\int_{0}^{\pi/4} \sin x dx$ C) $\frac{31}{3}$ ounded on the left by the i ound to four decimal place C) 0.5858	D) $\int_{-\pi/4}^{0} \cos x dx$ D) $\frac{37}{3}$ ine $y = \frac{\pi}{6}$ and on the 2s.) D) 0.3094	261) 262) 263) 264)
The set of the function f(x) over the given interval. Partition the interval into 4 subintervals of equal length. The subinterval for c _k : $\sum_{k=1}^{2} f(c_k) \Delta x_k$, using the indicated point in the subinterval for c _k : $20) f(x) = -2x^2, [0, 4], midpoint$	Then add to he kth 260)	Express the limit as a definite inter $2611 \lim \ p\ \to 0 \sum_{k=1}^{n} (\sin c_k) \angle A$ $A) \int_{1}^{n} \sin x dx$ Find the area enclosed by the given $262) \ y = 2x - x^2, \ y = 2x - 4$ $A) \frac{34}{3}$ $263) Find the area of the region right by the curves y = \tan AA) 0.4126$ Solve the initial value problem. $264) \frac{dy}{dx} = x \cos(6x^2), \ y(0) =$ $A) \ y = \frac{x^2}{2} \sin(6x^2) + 8$	gral where P is a partition $x_{X_{k'}} [-\pi/4, 0]$ B) $\int_{-\pi/4}^{0} \sin x dx$ an curves. B) $\frac{32}{3}$ in the first quadrant b $n^2 x$ and $y = \cot^2 x$. (Red) B) 4.3094 8	58 on of the given interval. C) $\int_{0}^{\pi/4} \sin x dx$ C) $\frac{31}{3}$ ounded on the left by the i ound to four decimal place C) 0.5858 B) $y = \frac{1}{12} \sin(6x^2) + 8$	D) $\int_{-\pi/4}^{0} \cos x dx$ D) $\frac{37}{3}$ ine $y = \frac{\pi}{6}$ and on the 2s.) D) 0.3094	261) 262) 263) 264)
The set of the function f(x) over the given interval. Partition the interval into 4 subintervals of equal length. The subinterval for c _k : $\sum_{k=1}^{n} f(c_k) \Delta x_k$, using the indicated point in the subinterval for c _k : $20) f(x) = -2x^2, [0, 4], midpoint$	Then add to ie kth 260)	Express the limit as a definite inter $2611 \lim \ \mathbf{p}\ \to 0 \sum_{k=1}^{n} (\sin c_k) \angle A$ $A) \int_{1}^{n} \sin x dx$ Find the area enclosed by the given $262) \ y = 2x - x^2, \ y = 2x - 4$ $A) \frac{34}{3}$ $263) Find the area of the region right by the curves y = \tan AA) 0.4126$ Solve the initial value problem. $264) \frac{dy}{dx} = x \cos(6x^2), \ y(0) =$ $A) \ y = \frac{x^2}{2} \sin(6x^2) + 8$ $C) \ y = \sin(6x^2) + 8$	gral where P is a partition $x_{X_{k'}} [-\pi/4, 0]$ B) $\int_{-\pi/4}^{0} \sin x dx$ In curves. B) $\frac{32}{3}$ In in the first quadrant b $n^2 x$ and $y = \cot^2 x$. (Reveal) B) 4.3094 8	58 on of the given interval. C) $\int_{0}^{\pi/4} \sin x dx$ C) $\frac{31}{3}$ ounded on the left by the i ound to four decimal place C) 0.5858 B) $y = \frac{1}{12} \sin(6x^2) + 8$ D) $y = \frac{1}{3} \sin(y)$	D) $\int_{-\pi/4}^{0} \cos x dx$ D) $\frac{37}{3}$ ine $y = \frac{\pi}{6}$ and on the 2s.) D) 0.3094	261) 262) 263) 264)
Solution for the given interval. Partition the interval into 4 subintervals of equal length. The process calculated with the Riemann sum $\sum_{k=1}^{n} f(c_k) \Delta r_k$, using the indicated point in the subinterval for c_k . 20) $f(x) = -2x^2$, $[0, 4]$, midpoint $\frac{1}{1}$	Then add to ie kth 260)	Express the limit as a definite integradian integration of the set of the se	gral where P is a partition $x_{K_{x}} [-\pi/4, 0]$ B) $\int_{-\pi/4}^{0} \sin x dx$ in curves. B) $\frac{32}{3}$ in in the first quadrant b in $2x$ and $y = \cot^{2} x$. (R) B) 4.3094 8	58 on of the given interval. C) $\int_{0}^{\pi/4} \sin x dx$ C) $\frac{31}{3}$ ounded on the left by the 1 ound to four decimal place C) 0.5858 B) $y = \frac{1}{12} \sin(6x^2) + 8$ D) $y = \frac{1}{u} \sin(u)$	D) $\int_{-\pi/4}^{0} \cos x dx$ D) $\frac{37}{3}$ ine $y = \frac{\pi}{6}$ and on the (ss.) D) 0.3094	261) 262) 263) 264)
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Solution for the given interval. Partition the interval into 4 subintervals of equal length. It can be subinterval for c _k . Solution f(x) f(x) = -2x^2, [0, 4], midpoint $\frac{1}{1}$ 	Then add to ie kth 260)	Express the limit as a definite integration of the set	gral where P is a partition $x_{1x} [-\pi/4, 0]$ B) $\int_{-\pi/4}^{0} \sin x dx$ a curves. B) $\frac{32}{3}$ in the first quadrant b $n^{2} x$ and $y = \cot^{2} x$. (Reveal) B) 4.3094 8	58 on of the given interval. $C \int_{0}^{\pi/4} \sin x dx$ $C \int_{0}^{31} \frac{31}{3}$ ounded on the left by the 1 ound to four decimal place $C \int_{0.5858}^{31} \frac{31}{12} \sin(6x^2) + 8$ $D) y = \frac{1}{12} \sin(6x^2) + 8$	D) $\int_{-\pi/4}^{0} \cos x dx$ D) $\frac{37}{3}$ ine $y = \frac{\pi}{6}$ and on the 2s.) D) 0.3094	261) 262) 263) 264)
Solution the function f(s) over the given interval. Partition the interval into 4 subintervals of equal length. The curve sketch the rectangles associated with the Riemann sum $\sum_{k=1}^{n} f_k(k) \Delta \mathbf{x}_k$, using the indicated point in the subinterval for \mathbf{c}_k . Solution f(x) = -2x^2, [0, 4], midpoint $\mathbf{v}_{\mathbf{r}}}}}}}}}}$	Then add to ie kth 260)	Express the limit as a definite integ 261) $\lim \ \mathbf{p}\ \to 0 \sum_{k=1}^{n} (\sin k) \angle A$ A) $\int_{1}^{n} \sin x dx$ Find the area enclosed by the given 262) $y = 2x - x^2$, $y = 2x - 4$ A) $\frac{34}{3}$ 263) Find the area of the region right by the curves $y = \tan A$ A) 0.4126 Solve the initial value problem. 264) $\frac{dy}{dx} = x \cos (6x^2)$, $y(0) =$ A) $y = \frac{x^2}{2} \sin(6x^2) + 8$ C) $y = \sin (6x^2) + 8$	gral where P is a partition $x_{1x} [-\pi/4, 0]$ B) $\int_{-\pi/4}^{0} \sin x dx$ a curves. B) $\frac{32}{3}$ in the first quadrant b $n^{2} x$ and $y = \cot^{2} x$. (Ref B) 4.3094 8	58 on of the given interval. $C \int_{0}^{\pi/4} \sin x dx$ $C \int_{0}^{31} \frac{31}{3}$ ounded on the left by the 1 ound to four decimal place $C \int_{0.5858}^{31} \frac{31}{2} \sin(6x^2) + 8$ $D) y = \frac{1}{12} \sin(6x^2) + 8$	D) $\int_{-\pi/4}^{0} \cos x dx$ D) $\frac{37}{3}$ ine $y = \frac{\pi}{6}$ and on the es.) D) 0.3094	261) 262) 263) 264)
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$ \int_{t}^{t} \int_{$	Then add to te kth 260)	Express the limit as a definite inter 261) $\lim \ \mathbf{p}\ \to 0 \sum_{k=1}^{n} (\sin k) \angle A$ A) $\int_{1}^{n} \sin x dx$ Find the area enclosed by the given 262) $y = 2x - x^2$, $y = 2x - 4$ A) $\frac{34}{3}$ 263) Find the area of the regioning the transformer of the transformer of the transformer of the regioning the transformer of the transforme	gral where P is a partition x_{1x} , $[-\pi/4, 0]$ B) $\int_{-\pi/4}^{0} \sin x dx$ an curves. B) $\frac{32}{3}$ in the first quadrant b $n^{2} x$ and $y = \cot^{2} x$. (R B) 4.3094 8	58 on of the given interval. $C \int_{0}^{\pi/4} \sin x dx$ $C \int_{0}^{31} \frac{31}{3}$ ounded on the left by the 1 ound to four decimal place $C \int_{0.5858}^{58} \frac{31}{12} \sin(6x^2) + 8$ $D) y = \frac{1}{12} \sin(6x^2) + 8$	D) $\int_{-\pi/4}^{0} \cos x dx$ D) $\frac{37}{3}$ ine $y = \frac{\pi}{6}$ and on the 2s.) D) 0.3094	261) 262) 263) 264)
$ \int_{t}^{t} \int_{$	Then add to te kth 260)	Express the limit as a definite integ $261) \lim \ \mathbf{p}\ \to 0 \sum_{k=1}^{n} (\sin k) \ 2$ A) $\int_{1}^{n} \sin x \ dx$ Find the area enclosed by the given $262) \ y = 2x - x^{2}, \ y = 2x - 4$ A) $\frac{34}{3}$ $263) Find the area of the regioning the urives y = \tan AA) 0.4126Solve the initial value problem.264) \ \frac{dy}{dx} = x \cos(6x^{2}), \ y(0) = A) y = \frac{x^{2}}{2} \sin(6x^{2}) + 8 C) y = \sin(6x^{2}) + 8$	gral where P is a partition x_{1x} [$-\pi/4$, 0] B) $\int_{-\pi/4}^{0} \sin x dx$ an curves. B) $\frac{32}{3}$ in in the first quadrant b $n^{2} x$ and $y = \cot^{2} x$. (R B) 4.3094 8	58 on of the given interval. (c) $\int_{0}^{\pi/4} \sin x dx$ (c) $\frac{31}{3}$ ounded on the left by the bound to four decimal place (c) 0.5858 (b) $y = \frac{1}{12} \sin(6x^2) + 8$ (c) $y = \frac{1}{u} \sin(u)$	D) $\int_{-\pi/4}^{0} \cos x dx$ D) $\frac{37}{3}$ ine $y = \frac{\pi}{6}$ and on the es.) D) 0.3094	261) 262) 263) 264)
$ \int_{1}^{1} \int_{$	Then add to re kth 260)	Express the limit as a definite inter $2611 \lim \ \mathbf{p}\ \to 0 \sum_{k=1}^{n} (\sin c_k) \angle A$ A) $\int_{1}^{n} \sin x dx$ Find the area enclosed by the given $262) y = 2x - x^2, y = 2x - 4$ A) $\frac{34}{3}$ $263) Find the area of the regioning the problem.$ $263) Find the area of the regioning the curves y = \tan AA) 0.4126 Solve the initial value problem.264) \frac{dy}{dx} = x \cos(6x^2), y(0) = A) y = \frac{x^2}{2} \sin(6x^2) + 8 C) y = \sin(6x^2) + 8$	gral where P is a partition $x_{X_{k'}} [-\pi/4, 0]$ B) $\int_{-\pi/4}^{0} \sin x dx$ In curves. B) $\frac{32}{3}$ In in the first quadrant b $n^2 x$ and $y = \cot^2 x$. (Reveal) B) 4.3094 8	58 on of the given interval. (c) $\int_{0}^{\pi/4} \sin x dx$ (c) $\frac{31}{3}$ ounded on the left by the i ound to four decimal place (c) 0.5858 (b) $y = \frac{1}{12} \sin(6x^2) + 8$ (c) $y = \frac{1}{u} \sin(u)$	D) $\int_{-\pi/4}^{0} \cos x dx$ D) $\frac{37}{3}$ ine $y = \frac{\pi}{6}$ and on the ss.) D) 0.3094	261) 262) 263) 264)
$ \int_{1}^{1} \int_{$	Then add to te kth 260)	Express the limit as a definite inter $2611 \lim \ \mathbf{p}\ \to 0 \sum_{k=1}^{n} (\sin c_k) \angle A$ A) $\int_{1}^{n} \sin x dx$ Find the area enclosed by the given $262) \ y = 2x - x^2, \ y = 2x - 4$ A) $\frac{34}{3}$ $263) Find the area of the regioning the transformer of the regioning the transformer of the transforme$	gral where P is a partition $x_{X_{k'}} [-\pi/4, 0]$ B) $\int_{-\pi/4}^{0} \sin x dx$ an curves. B) $\frac{32}{3}$ in in the first quadrant b in ² x and y = cot ² x. (Right B) 4.3094 8	58 on of the given interval. () $\int_{0}^{\pi/4} \sin x dx$ () $\frac{31}{3}$ ounded on the left by the i ound to four decimal place () 0.5858 B) $y = \frac{1}{12} \sin(6x^2) + 8$ D) $y = \frac{1}{u} \sin(u)$	D) $\int_{-\pi/4}^{0} \cos x dx$ D) $\frac{37}{3}$ ine $y = \frac{\pi}{6}$ and on the (s,) D) 0.3094	261) 262) 263) 264)
The second se	Then add to te kth 260)	Express the limit as a definite inter $2611 \lim \ \mathbf{p}\ \to 0 \sum_{k=1}^{n} (\sin c_k) \angle A$ A) $\int_{1}^{n} \sin x dx$ Find the area enclosed by the given $262) \ y = 2x - x^2, \ y = 2x - 4$ A) $\frac{34}{3}$ $263) Find the area of the regioning the curves y = \tan AA) 0.4126 Solve the initial value problem.264) \frac{dy}{dx} = x \cos(6x^2), \ y(0) = A) y = \frac{x^2}{2} \sin(6x^2) + 8 C) y = \sin(6x^2) + 8$	gral where P is a partition $x_{1,k}$, $[-\pi/4, 0]$ B) $\int_{-\pi/4}^{0} \sin x dx$ an curves. B) $\frac{32}{3}$ in the first quadrant b in $x^{2} x$ and $y = \cot^{2} x$. (R, B) 4.3094 8	58 on of the given interval. () $\int_{0}^{\pi/4} \sin x dx$ () $\frac{31}{3}$ ounded on the left by the i ound to four decimal place () 0.5858 B) $y = \frac{1}{12} \sin(6x^2) + 8$ D) $y = \frac{1}{u} \sin(u)$	D) $\int_{-\pi/4}^{0} \cos x dx$ D) $\frac{37}{3}$ ine $y = \frac{\pi}{6}$ and on the (s,) D) 0.3094	261) 262) 263) 264)
The second se	Then add to ie kth 260)	Express the limit as a definite inter $2611 \lim_{x \to 0} p \rightarrow 0 \sum_{k=1}^{n} (\sin c_k) \angle A$ A) $\int_{1}^{n} \sin x dx$ Find the area enclosed by the given $262) \ y = 2x - x^2, \ y = 2x - 4$ A) $\frac{34}{3}$ $263) Find the area of the region right by the curves y = \tan AA) 0.4126 Solve the initial value problem.264) \frac{dy}{dx} = x \cos(6x^2), \ y(0) = A) y = \frac{x^2}{2} \sin(6x^2) + 8C) y = \sin(6x^2) + 8$	gral where P is a partition $x_{1x} [-\pi/4, 0]$ B) $\int_{-\pi/4}^{0} \sin x dx$ a curves. B) $\frac{32}{3}$ n in the first quadrant b n ² x and y = cot ² x. (R) B) 4.3094 8	58 on of the given interval. $C) \int_{0}^{\pi/4} \sin x dx$ $C) \frac{31}{3}$ ounded on the left by the isound to four decimal place $C) 0.5858$ $B) y = \frac{1}{12} \sin(6x^2) + 8$ $D) y = \frac{1}{u} \sin(u)$	D) $\int_{-\pi/4}^{0} \cos x dx$ D) $\frac{37}{3}$ ine $y = \frac{\pi}{6}$ and on the (s.) D) 0.3094	261) 262) 263) 264)
The function (f) over the given interval. Partition the interval into 4 subintervals of equal lengths for success the rectanges associated with the Riemann sum $\sum_{k=1}^{n} f_{k}(k) dk_{k}$, using the indicated point into a subinterval $f_{k}(k) dk_{k}(k)$ and $f_{k}(k) dk_{k}(k) dk_{k}(k) dk_{k}(k) dk_{k}(k)$ and $f_{k}(k) dk_{k}(k) dk_{k}(k$	Then add to ie kth 260)	Express the limit as a definite inter $261) \lim_{X \to 0} \prod_{k=1}^{n} (\sin c_k) \angle A$ $A) \int_{1}^{n} \sin x dx$ Find the area enclosed by the given $262) \ y = 2x - x^2, \ y = 2x - 4$ $A) \frac{34}{3}$ $263) Find the area of the regioning the universe y = \tan A) 0.4126$ Solve the initial value problem. $264) \frac{dy}{dx} = x \cos (6x^2), \ y(0) =$ $A) \ y = \frac{x^2}{2} \sin(6x^2) + 8$ $C) \ y = \sin (6x^2) + 8$	gral where P is a partition $x_{X_{k'}} [-\pi/4, 0]$ B) $\int_{-\pi/4}^{0} \sin x dx$ In curves. B) $\frac{32}{3}$ In in the first quadrant b $n^2 x$ and $y = \cot^2 x$. (Reveal) B) 4.3094 8	on of the given interval. $C) \int_{0}^{\pi/4} \sin x dx$ $C) \frac{31}{3}$ ounded on the left by the isound to four decimal place $C) 0.5858$ $B) y = \frac{1}{12} \sin(6x^2) + 8$ $D) y = \frac{1}{u} \sin(u)$	D) $\int_{-\pi/4}^{0} \cos x dx$ D) $\frac{37}{3}$ ine $y = \frac{\pi}{6}$ and on the 2s.) D) 0.3094	261) 262) 263) 264)
The second secon	Then add to te kth 260)	Express the limit as a definite integravity of the set	gral where P is a partition x_{X_k} . $[-\pi/4, 0]$ B) $\int_{-\pi/4}^{0} \sin x dx$ an curves. B) $\frac{32}{3}$ an in the first quadrant b $n^2 x$ and $y = \cot^2 x$. (R B) 4.3094 8	on of the given interval. $C_{0} \int_{0}^{\pi/4} \sin x dx$ $C_{0} \frac{31}{3}$ ounded on the left by the 1 ound to four decimal place $C_{0} 0.5858$ $B) y = \frac{1}{12} \sin(6x^{2}) + 8$ $D) y = \frac{1}{u} \sin(u)$	D) $\int_{-\pi/4}^{0} \cos x dx$ D) $\frac{37}{3}$ ine $y = \frac{\pi}{6}$ and on the (s.) D) 0.3094	261) 262) 263) 264)

Answer Key Testname: 155CH.5TST

- 15) A ID: TCALC11W 52.1-6 Diff: 0 Page Ref: 337-344 Objective: (5.2) Write Sum and Evaluate
- 16) A ID: TCALC11W 5.4.1-7 Diff: 0 Page Ref: 358-366 Objective: (5.4) Evaluate Integral 17) D ID: TCALC11W 5.2.2-1
- ID: TCALC11W 5.2.2-1 Diff: 0 Page Ref: 337-344 Objective: (5.2) Find Value Using Algebraic Rules
- 18) B ID: TCALC11W 5.4.5-5 Diff: 0 Page Ref: 358-366 Objective: (5.4) Solve Initial Value Problem
- 19) D ID: TCALC11W 5.1.2-10 Diff: 0 Page Ref: 327-335 Objective: (5.1) Solve Apps: Velocity, Distance, Flow
- 20) D ID: TCALC11W 5.5.1-5 Diff: 0 Page Ref: 370-376 Objective: (5.5) Evaluate Integral Using Suggested Substitution
- 21) D ID: TCALCIIW 5.5.3-2 Diff: 0 Page Ref: 370-376 Objective: (5.5) Integrate by Using Sequences of Substitutions
- 22) D ID: TCALC11W 5.4.6-2 Diff: 0 Page Ref: 358-366 Objective: (5.4) Solve Apps: Fundamental Theorem of Calculus
- 23) D ID: TCALC11W 5.1.2-6 Diff: 0 Page Ref: 327-335 Objective: (5.1) Solve Apps: Velocity, Distance, Flow
- 24) C ID: TCALC11W 5.6.3-5 Diff: 0 Page Ref: 378-385 Objective: (5.6) Find Area Enclosed by Curves Given Equations
- 25) A ID: TCALC11W 5.5.4-5 Diff: 0 Page Ref: 370-376 Objective: (5.5) Solve Initial Value Problem

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Answer Key Testname: 155CH.5TST

- 26) C ID: TCALC11W 5.3.3-3 Diff: 0 Page Ref: 345-354 Objective: (5.3) Use Area to Evaluate Integral
- 27) C. D: TCALC11W 5.1.2-5 Diff: 0 Page Ref: 327-335 Objective: (5.1) Solve Apps: Velocity, Distance, Flow
 28) B ID: TCALC11W 5.5.4-7
- ID: TCALC11W 5.5.4-7 Diff: 0 Page Ref: 370-376 Objective: (5.5) Solve Initial Value Problem
- 29) C ID: TCALC11W 5.5.4-4 Diff: 0 Page Ref: 370-376 Objective: (5.5) Solve Initial Value Problem
- 30) A ID: TCALC11W 5.1.3-7 Diff: 0 Page Ref: 327-335 Objective: (5.1) Estimate Average Value of Function
- 31) A

 ID: TCALCHW 5.5.2-1

 Diff 0
 Page Ref: 370-376

 Objective: (5.5) Use Substitution Rule to Evaluate Integral
- 32) D ID: TCALC11W 52.3-10 Diff: 0 Page Ref: 337-344 Objective: (5.2) Construct Rectangles for Riemann Sum
- 33) B ID: TCALC11W 5.4.5-6 Diff: 0 Page Ref: 358-366 Objective: (5.4) Solve Initial Value Problem
- 34) C ID: TCALC11W 5.4.1-8 Diff: 0 Page Ref: 358-366 Objective: (5.4) Evaluate Integral
- 35) D ID: TCALC11W 5.3.4-7 Diff: 0 Page Ref: 345-354 Objective: (5.3) Evaluate Definite Integral
- 36) A ID: TCALC11W 5.3.3-5 Diff: 0 Page Ref: 345-354 Objective: (5.3) Use Area to Evaluate Integral

Answer Key	Answer Key
Testname: 155CH.515T	Testname: 155CH.5TST
37) B	48) A
Diff: 0 Page Ref: 345-354	Diff: 0 Page Ref: 370-376
Objective: (5.3) Find Average Value by Geometric Method	Objective: (5.5) Integrate by Using Sequences of Substitutions
38) D	49) C
ID: TCALCI W 56.1-4	ID: TCALC11W 5.6.2-10
Diff: 0 Page Ref: 378-385	Diff: 0 Page Ref: 378–385
Objective: (5.6) Use Substitution Formula to Evaluate Integral	Objective: (5.6) Find Area of Shaded Region
39) C	50) D
ID: TCALC11W 542-10	ID: TCALC11W 5.3.2-4
Diff: 0 Page Ref: 358-366	Diff: 0 Page Ref: 345-354
Objective: (5.4) Differentiate Integral	Objective: (5.3) Use Properties/Known Values to Find Integral
40) B	51) B
ID: TCALC11W 54.3-8	ID: TCALC11W 5.3.2-3
Diff: 0 Page Ref: 358-366	Diff: 0 Page Ref: 345-354
Objective: (5.4) Find Area Between Curve and x-Axis	Objective: (5.3) Use Properties/Known Values to Find Integral
41) C	52) A
ID: TCALC11W 5.5.3-5	ID: TCALC11W 5.3.1-8
Diff: 0 Page Ref: 370-376	Diff: 0 Page Ref: 345-354
Objective: (5.5) Integrate by Using Sequences of Substitutions	Objective: (5.3) Express Limit of Riemann Sums as Definite Integral
42) D	53) D
ID: TCALC11W 5.2.2-3	ID: TCALC11W 5.4.4-4
Diff. 0 Page Ref. 337-344	Diff: 0 Page Ref: 358-366
Objective: (5.2) Find Value Using Algebraic Rules	Objective: (5.4) Find Area of Shaded Region on Graph
43) C	54) B
ID: TCALCIIW 5.3.1-4	ID: TCALC11W 5.4.8-5
Diff: 0 Page Kef: 345–354	Diff: 0 Page Ref: 338-366
Objective: (5.3) Express Limit of Riemann Sums as Definite Integral	Objective: (5.4) Know Concepts: Fundamental Theorem of Calculus
44) C	55) D
ID: TCALC11W 5.4.4-6	ID: TCALCI1W 5.3.3-1
Diff: 0 Page 264 358-366	Diff: 0 Page Ref: 345-354
Objective: (5.4) Find Area of Shaded Region on Graph	Objective: (5.3) Use Area to Evaluate Integral
45) B	56) B
ID: TCALC11W 5.4.8-2	ID: TCALC11W 5.4.5-2
Diff: 0 Page Ref: 338-366	Diff: 0 Page Ref: 358-366
Objective: (5.4) Know Concepts: Fundamental Theorem of Calculus	Objective: (5.4) Solve Initial Value Problem
40 D ID: TCALC11W 5.6.1-8 Diff: 0 Page Ref: 378-385	D: TCALC11W 5.6.2-8 Diff: 0 Page Ref: 378-385
Objective: (5.6) Use Substitution Formula to Evaluate Integral	Objective: (5.6) Find Area of Shaded Region
ID: TCALC11W 5.5.5-4	D: TCALC11W 5.4.7-7
Diff: 0 Page Ref: 370-376	Diff: 0 Page Ref: 358-366
Objective: (5.5) Solve Velocity/ Acceleration Problem	Objective: (5.4) Draw Conclusion about Motion from Graph
65	66
Annua V au	Annua Kau
Answer Key	Answer Key
Testname: 155CH.5TST	Testname: 155CH.5TST
Answer Key	Answer Key
Testname: 155CH.5TST	Testname: 155CH.5TST
Answer Key	Answer Key
Testname: 155CH.5TST	Testname: 155CH.5TST
⁵⁹⁾ B	70) B
ID: TCALCHW 5.1.1-4	Di:TCALCIIW.5.1.3-1
Diff 0 Page Ref 377-335	Diff: 0 Page Ref: 327-335
Answer Key	Answer Key
Testname: 155CH.5TST	Testname: 155CH.5TST
⁵⁹⁾ B	70) B
ID:TCALCI1W.5.1.1-4	ID: TCALCI1W 5.1.3-1
Diff: 0 Page Ref: 327-335	Diff: 0 Page Ref: 327-335
Objective: (5.1) Approximate Area Using Finite Sum	Objective: (5.1) Estimate Average Value of Function
Answer Key Testname: 155CH.5TST ⁵⁹⁾ B ID: TCALC11W 5.1.1-4 Dif: 0 Page Ref: 327-335 Objective: (5.1) Approximata Area Using Finite Sum ⁶⁰⁾ B ID: TCALC11W 5.6.2-4 Dif: 0 Page Ref: 378-385	Answer Key Testname: 155CH.5TST 70) B ID: TCALCIIW 5.1.3-1 Diff: 0 Page Ref: 327-335 Objective: (5.1) Estimate Average Value of Function 71) A Diff: 0 Page Ref: 378-385
Answer Key	Answer Key
Testname: 155CH.5TST	Testname: 155CH.5TST
⁵⁹⁾ B	70) B
ID:TCALCIIW 5.1.1-4	D: TCALC11W 5.1.3-1
Diff: 0 Page Ref: 327-335	Diff: 0 Page Ref: 327-335
Objective: (5.1) Approximate Area Using Finite Sum	Objective: (5.1) Estimate Average Value of Function
⁶⁰⁾ B	71) A
ID:TCALCIIW 5.6.2-4	D: TCALC11W 5.6.1-2
Diff: 0 Page Ref: 378-385	Diff: 0 Page Ref: 378-385
Objective: (5.6) Find Area of Shaded Region	Objective: (5.6) Use Substitution Formula to Evaluate Integral
⁶¹⁾ A	70) A
Answer Key	Answer Key
Testname: 155CH.5TST	Testname: 155CH.5TST
⁵⁹⁾ B	70) B
D: TCALC11W 5.14	ID: TCALC11W 5.1.3-1
Diff: 0 Page Ref: 327-335	Diff: 0 Page Ref: 327-335
Objective: (5.1) Approximate Area Using Finite Sum	Objective: (5.1) Estimate Average Value of Function
⁶⁰⁾ B	71) A
D: TCALC11W 5.6.2-4	ID: TCALC11W 5.6.1-2
Diff: 0 Page Ref: 378-385	Diff: 0 Page Ref: 378-385
Objective: (5.6) Find Area of Shaded Region	Objective: (5.6) Use Substitution Formula to Evaluate Integral
⁶¹⁾ A	72) A
D: TCALC11W 5.4.7-3	ID: TCALC11W 5.1.1-2
Diff: 0 Page Ref: 338-366	Diff: 0 Page Ref: 327-335
Answer Key	Answer Key
Testname: 155CH.5TST	Testname: 155CH.5TST
⁵⁹⁾ B	70) B
ID: TCALC11W 5.1.1-4	ID:TCALCI1W5.1.3-1
Dif: 0 Page Ref: 327-335	Diff: 0 Page Ref: 327-335
Objective: (5.1) Approximate Area Using Finite Sum	Objective: (5.1) Estimate Average Value of Function
⁶⁰⁾ B	71) A
ID: TCALC11W 5.6.2-4	ID:TCALCI1W 5.6.1-2
Dif: 0 Page Ref: 378-385	Diff: 0 Page Ref: 378-385
Objective: (5.6) Find Area of Shaded Region	Objective: (5.6) Use Substitution Formula to Evaluate Integral
⁶¹⁾ A	72) A
ID: TCALC11W 5.4.7-3	ID:TCALCI1W 5.1.1-2
Dif: 0 Page Ref: 338-366	Diff: 0 Page Ref: 327-335
Objective: (5.4) Draw Conclusion about Motion from Graph	Objective: (5.1) Approximate Area Using Finite Sum
⁶²⁾ B	73) A
Answer Key	Answer Key
Testname: 155CH.5TST	Testname: 155CH.5TST
59) B	70) B
ID:TCALC11W 5.1.14	D: TCALCIIW 5.1.3-1
Diff: 0 Page Ref: 327-335	Diff: 0 Page Ref: 327-335
Objective: (5.1) Approximate Area Using Finite Sum	Objective: (5.1) Estimate Average Value of Function
60) B	71) A
ID:TCALC11W 5.6.2-4	D: TCALCIIW 5.6.1-2
Diff: 0 Page Ref: 378-385	Diff: 0 Page Ref: 378-385
Objective: (5.6) Find Area of Shaded Region	Objective: (5.6) Use Substitution Formula to Evaluate Integral
61) A	72) A
ID:TCALC11W 5.4.7-3	D: TCALCIIW 5.1.1-2
Diff: 0 Page Ref: 358-366	Diff: 0 Page Ref: 327-335
Objective: (5.6) Find Area of Shaded Region	Objective: (5.1) Approximate Area Using Finite Sum
62) B	73) A
ID:TCALC11W 5.2.3-8	D: TCALCIIW 5.4.2-7
Diff: 0 Page Ref: 337-344	Diff: 0 Page Ref: 338-366
Answer Key	Answer Key
Testname: 155CH.5TST	Testname: 155CH.5TST
⁵⁹⁾ B	70) B
D: TCALC11W 5.1.1-4	DD: TCALCIIW 5.1.3-1
Diff: 0 Page Ref: 327-335	Diff: 0 Page Ref: 327-335
Objective: (5.1) Approximate Area Using Finite Sum	Objective: (5.1) Estimate Average Value of Function
⁶⁰⁾ B	71) A
D: TCALC11W 5.6.2-4	DD: TCALCIIW 5.6.1-2
Diff: 0 Page Ref: 378-385	Diff: 0 Page Ref: 378-385
Objective: (5.4) Draw Conclusion about Motion from Graph	Objective: (5.6) Use Substitution Formula to Evaluate Integral
⁶¹⁾ A	72) A
D: TCALC11W 5.4.7-3	DD: TCALCIIW 5.1.1-2
Diff: 0 Page Ref: 338-366	Diff: 0 Page Ref: 327-335
Objective: (5.4) Draw Conclusion about Motion from Graph	Objective: (5.1) Approximate Area Using Finite Sum
⁶²⁾ B	73) A
D: TCALC11W 5.2.3-8	DD: TCALCIIW 5.4.2-7
Diff: 0 Page Ref: 337-344	Diff: 0 Page Ref: 338-366
Objective: (5.2) Construct Rectangles for Riemann Sum	Objective: (5.4) Differentiate Integral
⁶³⁾ A	74) C
Answer Key	Answer Key
Testname: 155CH.5TST	Testname: 155CH.5TST
59) B	70) B
ID: TCALC11W 5.1.1-4	ID: TCALCIIW 5.1.3-1
Dif: 0 Page Ref: 327-335	Diff: 0 Page Ref: 327-335
Objective: (5.1) Approximate Area Using Finite Sum	Objective (5.1) Estimate Average Value of Function
60) B	71) A
ID: TCALC11W 5.6.2-4	ID: TCALCIIW 5.6.1-2
Dif: 0 Page Ref: 378-385	Diff: 0 Page Ref: 378-385
Objective: (5.6) Find Area of Shaded Region	Objective (5.6) Use Substitution Formula to Evaluate Integral
61) A	72) A
ID: TCALC11W 5.4.7-3	ID: TCALCIIW 5.1.1-2
Dif: 0 Page Ref: 338-366	Diff: 0 Page Ref: 327-335
Objective: (5.4) Draw Conclusion about Motion from Graph	Objective (5.1) Approximate Area Using Finite Sum
62) B	73) A
ID: TCALC11W 5.2.3-8	ID: TCALCIIW 5.4.2-7
Dif: 0 Page Ref: 337-344	Diff: 0 Page Ref: 338-366
Objective: (5.2) Construct Rectangles for Riemann Sum	Objective (3.4) Differentiate Integral
63) A	74) C
ID: TCALC11W 5.1.2-8	ID: TCALCIIW 5.3.6-6
Dif: 0 Page Ref: 327-335	Diff: 0 Page Ref: 345-354
Answer Key	Answer Key
Testname: 155CH.5TST	Testname: 155CH.5TST
⁵⁹ B	70) B
ID: TCALC11W 5.1.14	D: TCALCHW 5.1.3-1
Dif: 0 Page Kef: 327-335	Diff: 0 Page Ref: 327-335
Objective: (5.1) Proximate Area Using Finite Sum	Objective: (5.1) Estimate Average Value of Function
⁶⁰ B	71) A
ID: TCALC11W 5.6.2-4	D: TCALCHW 5.6.1-2
Dif: 0 Page Kef: 378-385	Diff: 0 Page Ref: 378-385
Objective: (5.6) Find Area of Shaded Region	Objective: (5.6) Use Substitution Formula to Evaluate Integral
⁶¹ A	72) A
ID: TCALC11W 5.4.7-3	D: TCALCHW 5.1.1-2
Dif: 0 Page Kef: 338-366	Diff: 0 Page Ref: 327-335
Objective: (5.4) Draw Conclusion about Motion from Graph	Objective: (5.1) Approximate Area Using Finite Sum
⁶² B	73) A
ID: TCALC11W 5.2.3-8	D: TCALCHW 5.4.2-7
Dif: 0 Page Kef: 337-344	Diff: 0 Page Ref: 338-366
Objective: (5.2) Construct Rectangles for Riemann Sum	Objective: (5.4) Differentiate Integral
⁶³ A	74) C
ID: TCALC11W 5.12-8	D: TCALCHW 5.3.6-6
Dif: 0 Page Kef: 327-335	Diff: 0 Page Ref: 345-354
Objective: (5.1) Solve Apps: Velocity, Distance, Flow	Objective: (5.3) Find Average Value by Geometric Method
⁶⁴ B	75) D
Answer Key Testname: 155CH.5TST 59) B D:TCALCHW5.1.1-4 Diff: 0 Page Ref: 327-335 Objective: (5.1) Approximate Area Using Finite Sum 60) B D:TCALCHW5.6.2-4 Diff: 0 Page Ref: 378-385 Objective: (5.6) Find Area of Shaded Region 61 A A D:TCALCHW5.47-3 Diff: 0 Page Ref: 358-366 Objective: (5.4) Obvectore Call Data Constant Motion from Graph 62 B D:TCALCHW5.2.3-8 Diff: 0 Page Ref: 327-335 Objective: (5.2) Construct Rectangles for Riemann Sum 63 A A D:TCALCHW5.1.2-8 Diff: 0 Page Ref: 327-335 Objective: (5.3) Construct Rectangles for Riemann Sum 64 B D:TCALCHW5.1.1-10 Diff: 0 Page Ref: 327-335 Objective: (5.1) Solicity, Distance, Flow	Answer Key Testname: 155CH.5TST 70) B D: TCALCIIW 5.1.3-1 Diff: 0 Page Ref: 327-335 Objective: (5.1) Estimate Average Value of Function 71) A D: TCALCIIW 5.6.1-2 Diff: 0 Page Ref: 378-385 Objective: (5.6) Use Substitution Formula to Evaluate Integral 72) A DI: TCALCIIW 5.1.1-2 Diff: 0 Page Ref: 377-335 Objective: (5.1) Approximate Area Using Finite Sum 73) A DI: TCALCIIW 5.4.2-7 Diff: 0 Page Ref: 338-366 Objective: (5.4) Differentiate Integral 74) C DI: TCALCIIW 5.3.6-4 Diff: 0 Page Ref: 345-354 Objective: (5.3) Find Average Value by Geometric Method 75) D DI: TCALCIIW 5.3.6-3 Diff: 0 Page Ref: 345-354
Answer Key Testname: 155CH.5TST 9) B D: TCALC11W 5.1.1-4 Dif: 0 Page Ref: 327-335 Objective: (5.1) Approximate Area Using Finite Sum 6) B D: TCALC11W 5.6.2-4 Dif: 0 Page Ref: 378-385 Objective: (5.6) Find Area of Shaded Region 6) A D: TCALC11W 5.4.7-3 Dif: 0 Page Ref: 337-346 Objective: (5.2) Construct Rectangles for Riemann Sum 6) A D: TCALC11W 5.1.2-8 Dif: 0 Page Ref: 327-335 Objective: (5.1) Solve Apps Velocity, Distance, Flow 6) B D: TCALC11W 5.1.2-8 Dif: 0 Page Ref: 327-335 Objective: (5.1) Solve Apps Velocity, Distance, Flow 6) B D: TCALC11W 5.1.1-10 Dif: 0 Page Ref: 327-335 Objective: (5.1) Approximate Area Using Finite Sum	Answer Key Testname: 155CH.5TST 70) B ID: TCALC11W 5.1.3-1 Diff: 0 Page Ref: 327-335 Objective: (5.1) Estimate Average Value of Function 71) A ID: TCALC11W 5.6.1-2 Diff: 0 Page Ref: 378-385 Objective: (5.6) Use Substitution Formula to Evaluate Integral 72) A ID: TCALC11W 5.1.1-2 Diff: 0 Page Ref: 327-335 Objective: (5.1) Approximate Area Using Finite Sum 73) A ID: TCALC11W 5.4.2-7 Diff: 0 Page Ref: 338-366 Objective: (5.4) Differentiate Integral 74) C ID: TCALC11W 5.3.6-6 Diff: 0 Page Ref: 345-354 Objective: (5.3) Find Average Value by Geometric Method 75) D ID: TCALC11W 5.3.6-3 Diff: 0 Page Ref: 345-354 Objective: (5.3) Find Average Value by Geometric Method 76) D
 Answer Key Testname: 155CH.5TST 9) B ID: TCALC11W 5.1.14 Diff: 0 Page Kef: 327-335 Objective: (5.1) Approximate Area Using Finite Sum 60 B ID: TCALC11W 5.6.2-4 Diff: 0 Page Kef: 378-385 Objective: (5.6) Find Area of Shaded Region 61 A ID: TCALC11W 5.4.7-3 Diff: 0 Page Kef: 338-366 Objective: (5.4) Draw Conclusion about Motion from Graph 62 B ID: TCALC11W 5.2.3-8 Diff: 0 Page Kef: 337-344 Objective: (5.2) Construct Rectangles for Riemann Sum 63 A ID: TCALC11W 5.1.2-8 Diff: 0 Page Kef: 327-335 Objective: (5.1) Solve Apps: Velocity, Distance, Flow 64 B ID: TCALC11W 5.1.1-10 Diff: 0 Page Kef: 327-335 Objective: (5.1) Approximate Area Using Finite Sum 65 A ID: TCALC11W 5.2.3-2 Diff: 0 Page Kef: 337-344 	Answer Key Testname: 155CH.5TST 70) B D: TCALCHV5.1.3-1 Diff: 0 Page Ref: 327-335 Objective: (5.1) Estimate Average Value of Function 71) A D: TCALCHV5.6.1-2 Diff: 0 Page Ref: 378-385 Objective: (5.6) Use Substitution Formula to Evaluate Integral 72) A D: TCALCHV5.1.1-2 Diff: 0 Page Ref: 327-335 Objective: (5.1) Approximate Area Using Finite Sum 73) A D: TCALCHV5.4.2-7 Diff: 0 Page Ref: 338-366 Objective: (5.3) Differentiate Integral 74) C D: TCALCHV5.3.6-6 Diff: 0 Page Ref: 335-354 Objective: (5.3) Find Average Value by Geometric Method 73) D D: TCALCHV5.3.6-4 Diff: 0 Page Ref: 345-354 Objective: (5.3) Find Average Value by Geometric Method 76) D D: TCALCHV5.3.6-4 Diff: 0 Page Ref: 345-354 Objective: (5.3) Find Average Value by Geometric Method
Answer Key Testname: 155CH.5TST 59) B D:TCALC11W5.1.14 Diff: 0 Page Ref: 327-335 Objective: (5.0) Approximate Area Using Finite Sum 60) B D:TCALC11W5.6.2-4 Diff: 0 Page Ref: 378-385 Objective: (5.6) Find Area of Shaded Region 61 A TCALC11W5.4.7-3 Diff: 0 Page Ref: 338-366 Objective: (5.4) Construct Rectangles for Riemann Sum 62 B D:TCALC11W5.1.2-8 Diff: 0 Page Ref: 337-344 Objective: (5.1) Objective, Distance, Flow 64 B D:TCALC11W5.1.1-10 Diff: 0 Page Ref: 327-335 Objective: (5.1) Approximate Area Using Finite Sum 65 A D:TCALC11W5.2.3-2 Diff: 0 Page Ref: 327-344 Objective: (5.1) Objective: Gal Construct Rectangles for Riemann Sum 66 B D:TCALC11W5.2.3-2 Diff: 0 Tage Ref: 327-344 Objective: (5.1) Approximate Area Using Finite Sum 67 A D:TCALC11W5.2.3-2 Diff: 0 Tage Ref: 337-344 Objective: (5.1) Construct Rectangles for Riemann Sum 67 B D:TCALC11W5.2.3-2 Diff: 0 Tage Ref: 337-344 Objective: (5.1) Construct Rectangles for Riemann Sum	Answer Key Testname: 155CH.5TST 70) B D: TCALCIIW 5.1.3-1 Diff: 0 Page Ref: 327-335 Objective: (5.1) Estimate Average Value of Function 71) A D: TCALCIIW 5.6.1-2 Diff: 0 Page Ref: 378-385 Objective: (5.6) Use Substitution Formula to Evaluate Integral 72) A DI: TCALCIIW 5.1.1-2 Diff: 0 Page Ref: 327-335 Objective: (5.1) Approximate Area Using Finite Sum 73) A D: TCALCIIW 5.4.2-7 Diff: 0 Page Ref: 338-366 Objective: (5.4) Differentiate Integral 74) C DI: TCALCIIW 5.3.6-4 Diff: 0 Page Ref: 345-354 Objective: (5.3) Find Average Value by Geometric Method 75) D D: TCALCIIW 5.3.6-4 Diff: 0 Page Ref: 345-354 Objective: (5.3) Find Average Value by Geometric Method 76) D D: TCALCIIW 5.3.6-4 Diff: 0 Page Ref: 345-354 Objective: (5.3) Find Average Value by Geometric Method 76) D D: TCALCIIW 5.3.6-4 Diff: 0 Page Ref: 345-354 Objective: (5.3) Find Average Value by Geometric Method 77) D D: TCALCIIW 5.3.6-4 Diff: 0 Page Ref: 345-354 Objective: (5.3) Find Average Value by Geometric Method 77) D
Answer Key Testname: 155CH.5TST 9) B D:TCALCHW 51.1-4 Diff: 0 Page Ref: 327-335 Objective: (5.1) Approximate Area Using Finite Sum 0) D:TCALCHW 5.6.2-4 Diff: 0 Page Ref: 378-385 Objective: (5.6) Find Area of Sladed Region 1) A D:TCALCHW 5.4.7-3 Diff: 0 Page Ref: 358-366 Objective: (5.4) Draw Conclusion about Motion from Graph 10:TCALCHW 5.2.3-8 Diff: 0 Page Ref: 337-344 Objective: (5.2) Construct Rectangles for Riemann Sum 10:TCALCHW 5.1.1-0 Diff: 0 Page Ref: 327-335 Objective: (5.1) Solve Apps: Velocity, Distance, Flow 10:TCALCHW 5.1.1-10 Diff: 0 Page Ref: 327-335 Objective: (5.1) Approximate Area Using Finite Sum 10:TCALCHW 5.1.2-2 Diff: 0 Page Ref: 337-344 Objective: (5.2) Construct Rectangles for Riemann Sum 10:TCALCHW 5.1.1-10 Diff: 0 Page Ref: 337-344 Objective: (5.2) Construct Rectangles for Riemann Sum 10:TCALCHW 5.2.3-2 Diff: 0 Page Ref: 337-344 Objective: (5.2) Construct Rectangles for Riemann Sum	Answer Key Testname: 155CH.5TST 70) B D: TCALCHW5.1.3-1 Diff: 0 Page Ref: 327-335 Objective: (5.1) Estimate Average Value of Function 71) A D: TCALCHW5.6.1-2 Diff: 0 Page Ref: 378-385 Objective: (5.0) Use Substitution Formula to Evaluate Integral 72) A D: TCALCHW5.1.1-2 Diff: 0 Page Ref: 327-335 Objective: (5.1) Approximate Area Using Finite Sum 73) A D: TCALCHW5.4.2-7 Diff: 0 Page Ref: 328-366 Objective: (5.4) Differentiate Integral 74) C D: TCALCHW5.3.6-6 Diff: 0 Page Ref: 345-554 Objective: (5.3) Find Average Value by Geometric Method 75) D D: TCALCHW5.3.6-4 Diff: 0 Page Ref: 345-554 Objective: (5.3) Find Average Value by Geometric Method 76) D D: TCALCHW5.3.6-4 Diff: 0 Page Ref: 345-554 Objective: (5.3) Find Average Value by Geometric Method 76) D D: TCALCHW5.3.3-9 Diff: 0 Page Ref: 345-554 Objective: (5.3) Find Average Value by Geometric Method 77) D D: TCALCHW5.3.3-9 Diff: 0 Page Ref: 345-554 Objective: (5.3) Find Average Value by Geometric Method 77) D D: TCALCHW5.3.3-9 Diff: 0 Page Ref: 345-554 Objective: (5.3) Find Average Value by Geometric Method 77) D D: TCALCHW5.3.3-9 Diff: 0 Page Ref: 345-554 Objective: (5.3) Find Average Value by Geometric Method 77) D D: TCALCHW5.3.3-9 Diff: 0 Page Ref: 345-554 Objective: (5.3) Find Average Value by Geometric Method
Answer Key Testname: 155CH.5TST 9) B D: TCALCHW 5.1.1-4 Dif: 0 Page Ref: 327-33 Objective: (5.1) Approximate Area Using Finite Sum 0) D: TCALCHW 5.6.2-4 Dif: 0 Page Ref: 378-385 Objective: (5.6) Find Area of Shaded Region 1) A D: TCALCHW 5.4.7-3 Dif: 0 Page Ref: 338-366 Objective: (5.4) Draw Conclusion about Motion from Graph 2) B TCALCHW 5.2.3-8 Dif: 0 Page Ref: 337-344 Objective: (5.1) Construct Rectangles for Riemann Sum 3) A D: TCALCHW 5.1.2-8 Dif: 0 Page Ref: 327-335 Objective: (5.1) Solve Apps: Velocity, Distance, Flow 4) B D: TCALCHW 5.1.1-10 Dif: 0 Page Ref: 327-335 Objective: (5.1) Solve Apps: Velocity, Distance, Flow 4) B D: TCALCHW 5.1.3-10 Dif: 0 Page Ref: 327-335 Objective: (5.2) Construct Rectangles for Riemann Sum 4) A D: TCALCHW 5.1.3-10 Dif: 0 Page Ref: 327-335 Objective: (5.2) Construct Rectangles for Riemann Sum 4) C 0 A D: TCALCHW 5.1.3-11 Dif: 0 Page Ref: 327-344 Objective: (5.2) Construct Rectangles for Riemann Sum 4) C 1) TCALCHW 5.1.3-11 Dif: 0 Page Ref: 327-344 Objective: (5.1) Construct Rectangles for Riemann Sum 4) C 1) TCALCHW 5.1.3-11 Dif: 0 Page Ref: 327-344 Objective: (5.1) TCALCHW 5.3.3-1 Dif: 0 Page Ref: 327-344 Objective: (5.1) TCALCHW 5.3.3-1 Dif: 0 Page Ref: 327-344 Objective: (5.1) TCALCHW 5.3.3-1 Dif: 0 Page Ref: 337-344 Objective: (5.1) TCALCHW 5.3.3-1 Dif: 0 Page Ref: 345-354 Objective: (5.1) TCALCHW 5.3.3-5 Dif: 0 Page Ref: 345-354 Dif: 0 Page	Answer Key Testmame: 155CH.5TST 70) B D: TCALCHW5.1.3-1 Diff: 0 Page Ref: 327-335 Objective (5.1) Estimate Average Value of Function 71 A ID: TCALCHW5.6.1-2 Diff: 0 Page Ref: 378-385 Objective: (5.6) Use Substitution Formula to Evaluate Integral 72 A Diff: 0 Page Ref: 327-335 Objective: (5.6) Use Substitution Formula to Evaluate Integral 73 A ID: TCALCHW5.1.1-2 Diff: 0 Page Ref: 327-335 Objective: (5.1) Approximate Area Using Finite Sum 73 A ID: TCALCHW5.4.2-7 Diff: 0 Page Ref: 358-366 Objective: (5.3) Find Average Value by Ceometric Method 75 D ID: TCALCHW5.3.6-3 Diff: 0 Page Ref: 345-354 Objective: (5.3) Find Average Value by Ceometric Method 76 D D: TCALCHW5.3.6-3 Diff: 0 Page Ref: 345-354 Objective: (5.3) Find Average Value by Ceometric Method 76 D D: TCALCHW5.3.3-9 Diff: 0 Page Ref: 345-354 Objective: (5.3) Use Area to Evaluate Integral 78 A DF CALCHW5.48-5
 Answer Key Testname: 155CH.5TST 9) B ID: TCALCHW 5.1.14 Diff: 0 Page Ref: 327-335 Objective: (5.1) Approximate Area Using Finite Sum 60) B ID: TCALCHW 5.6.2-4 Diff: 0 Page Ref: 378-385 Objective: (5.6) Find Area of Shaded Region 61 A ID: TCALCHW 5.4.7-3 Diff: 0 Page Ref: 338-366 Objective: (5.1) Oraw Conclusion about Motion from Graph 62 B ID: TCALCHW 5.2.2-8 Diff: 0 Page Ref: 337-344 Objective: (5.2) Oraw Conclusion about Motion from Graph 63 A ID: TCALCHW 5.12-8 Diff: 0 Page Ref: 327-335 Objective: (5.1) Solve Apps: Velocity, Distance, Flow 69 B ID: TCALCHW 5.1.1-10 Diff: 0 Page Ref: 327-335 Objective: (5.1) Approximate Area Using Finite Sum 69 A ID: TCALCHW 5.2.3-2 Diff: 0 Page Ref: 337-344 Objective: (5.2) Construct Rectangles for Riemann Sum 69 B ID: TCALCHW 5.3.5-1 Diff: 0 Page Ref: 335-344 Objective: (5.3) Find Area Between Curve and x-Axis 67 A ID: TCALCHW 5.1.3-5 Diff: 0 Page Ref: 327-335 Objective: (5.3) Find Area Between Curve and x-Axis 67 A ID: TCALCHW 5.1.3-5 Diff: 0 Page Ref: 327-335 Objective: (5.3) Find Area Between Curve and x-Axis 67 A ID: TCALCHW 5.1.3-5 Diff: 0 Page Ref: 327-335 Objective: (5.3) Find Area Between Curve and x-Axis 	Answer Key Testname: 155CH.5TST 70) B D: TCALCIIW 5.1.3-1 Diff: 0 Page Ref: 327-335 Objective: (5.1) Estimate Average Value of Function 71) A D: TCALCIIW 5.6.1-2 Diff: 0 Page Ref: 378-385 Objective: (5.6) Use Substitution Formula to Evaluate Integral 72] A DI: TCALCIIW 5.1.1-2 Diff: 0 Page Ref: 327-335 Objective: (5.1) Approximate Area Using Finite Sum 73] A D: TCALCIIW 5.4.2-7 Diff: 0 Page Ref: 338-366 Objective: (5.4) Differentiate Integral 74] C DI: TCALCIIW 5.3.6-6 Diff: 0 Page Ref: 345-354 Objective: (5.3) Find Average Value by Geometric Method 75] D D: TCALCIIW 5.3.6-4 Diff: 0 Page Ref: 345-354 Objective: (5.3) Find Average Value by Geometric Method 76] D D: TCALCIIW 5.3.6-4 Diff: 0 Page Ref: 345-354 Objective: (5.3) Find Average Value by Geometric Method 77] D D: TCALCIIW 5.3.3-9 Diff: 0 Page Ref: 345-354 Objective: (5.3) Use Area to Evaluate Integral 78] A D: TCALCIIW 5.4.8-8 Diff: 0 Page Ref: 345-364 Objective: (5.4) Use Area to Evaluate Integral 78] A D: TCALCIIW 5.4.8-8 Diff: 0 Page Ref: 345-366 Objective: (5.4) Know Concepts Fundamental Theorem of Calculue
Answer Key Testname: 155CH.5TST 9) B 10.TCALCIIW 5.1.1-4 Diff: 0 Page Ref: 327-335 Objective: (5.1) Approximate Area Using Finite Sum 6) B 10.TCALCIIW 5.4.2-4 Diff: 0 Page Ref: 338-366 Objective: (5.4) Find Area of Shaded Region 6) A 11.TCALCIIW 5.4.7-3 Diff: 0 Page Ref: 338-366 Objective: (5.1) Solve Conclusion about Motion from Graph 6) D 12.TCALCIIW 5.2.2-8 Diff: 0 Page Ref: 327-334 Objective: (5.1) Solve Apps: Velocity, Distance, Flow 6) B 13.TCALCIIW 5.1.2-8 Diff: 0 Page Ref: 327-335 Objective: (5.1) Solve Apps: Velocity, Distance, Flow 6) B 13.TCALCIIW 5.1.1-10 Diff: 0 Page Ref: 327-335 Objective: (5.1) Solve Apps: Velocity, Distance, Flow 6) B 13.TCALCIIW 5.2.3-2 Diff: 0 Page Ref: 327-335 Objective: (5.1) Solve Apps: Velocity, Distance, Flow 6) B 13.TCALCIIW 5.2.3-2 Diff: 0 Page Ref: 337-344 Objective: (5.1) Solve Apps: Velocity, Distance, Flow 6) B 13.TCALCIIW 5.3.5-1 Diff: 0 Page Ref: 337-334 Objective: (5.3) Find Area Between Curve and x-Axis 6) A 13.TCALCIIW 5.3.5-1 Diff: 0 Page Ref: 337-335 Objective: (5.1) Find Area Between Curve and x-Axis 6) B 13.TCALCIIW 5.3.5-3 Diff: 0 Page Ref: 327-335 Objective: (5.1) True IIIW 5.3.5-3 Diff: 0 Page Ref: 327-335 Objective: (5.1) True IIIW 5.3.5-7 Diff: 0 Page Ref: 327-335 Objective: (5.1) Stanta Area Between Curve and x-Axis	Answer Key Testname: 155CH.5TST 70) B D: TCALCHW5.1.3-1 Diff: 0 Page Ref: 327-335 Objective: (5.1) Estimate Average Value of Function 71 A D: TCALCHW5.6.1-2 Diff: 0 Page Ref: 378-385 Objective: (5.6) Use Substitution Formula to Evaluate Integral 72 A D: TCALCHW5.1.1-2 Diff: 0 Page Ref: 327-335 Objective: (5.1) Approximate Area Using Finite Sum 73 A D: TCALCHW5.4.2-7 Diff: 0 Page Ref: 338-366 Objective: (5.4) Differentiate Integral 74 C D: TCALCHW5.3.6-3 Diff: 0 Page Ref: 345-354 Objective: (5.3) Find Average Value by Geometric Method 75 D D: TCALCHW5.3.6-4 Diff: 0 Page Ref: 345-354 Objective: (5.3) Find Average Value by Geometric Method 76 D D: TCALCHW5.3.6-4 Diff: 0 Page Ref: 345-354 Objective: (5.3) Find Average Value by Geometric Method 76 D D: TCALCHW5.3.6-4 Diff: 0 Page Ref: 345-354 Objective: (5.3) Find Average Value by Geometric Method 77 D D: TCALCHW5.3.6-4 Diff: 0 Page Ref: 345-354 Objective: (5.3) Find Average Value by Geometric Method 77 D D: TCALCHW5.3.6-4 Diff: 0 Page Ref: 345-354 Objective: (5.3) Find Average Value by Geometric Method 77 D D: TCALCHW5.3.6-8 Diff: 0 Page Ref: 345-354 Objective: (3.4) Les Area to Evaluate Integral 78 A D: TCALCHW5.4.8-8 Diff: 0 Page Ref: 338-366 Objective: (3.4) Know Concepts: Fundamental Theorem of Calculus 79 A D: TCALCHW5.3.1-9
Answer Key Testmame: 155CH.5TST 9) B ID:TCALCIIW51.1-4 Diff: 0 Page Ref: 327-335 Objective: (5.1) Approximate Area Using Finite Sum 6) B ID:TCALCIIW56.2-4 Diff: 0 Page Ref: 378-385 Objective: (5.0) Find Area of Shaded Region 6) A ID:TCALCIIW54.7-3 Diff: 0 Page Ref: 378-386 Objective: (5.1) Construct Rectangles for Riemann Sum 6) A ID:TCALCIIW51.2-8 Diff: 0 Page Ref: 327-335 Objective: (5.1) Solve Apps: Velocity, Distance, Flow 6) B ID:TCALCIIW51.2-8 Diff: 0 Page Ref: 327-335 Objective: (5.1) Solve Apps: Velocity, Distance, Flow 6) B ID:TCALCIIW51.2-1 Diff: 0 Page Ref: 327-335 Objective: (5.2) Construct Rectangles for Riemann Sum 6) A ID:TCALCIIW51.2-1 Diff: 0 Page Ref: 337-344 Objective: (5.2) Construct Rectangles for Riemann Sum 6) B ID:TCALCIIW51.2-1 Diff: 0 Page Ref: 337-344 Objective: (5.2) Construct Rectangles for Riemann Sum 6) B ID:TCALCIIW51.2-1 Diff: 0 Page Ref: 337-344 Objective: (5.2) Construct Rectangles for Riemann Sum 6) B ID:TCALCIIW51.2-1 Diff: 0 Page Ref: 337-354 Objective: (5.3) Find Area Between Curve and x-Axis 6) B ID:TCALCIIW51.3-7 Diff: 0 Page Ref: 327-353 Objective: (5.1) Estimate Average Value of Function 6) B ID:TCALCIIW51.3-7 Diff: 0 Page Ref: 327-354 Objective: (5.1) Page Ref: 327-354 Objective: (5.1) Page Ref: 327-354 Objective: (5.1) Page Ref: 327-354 Objective: (5.1) Page Ref: 327-355 Objective: (5.1) Page Ref: 327-355 Objective: (5.1) Page Ref: 327-354 Objective: (5.1) Page Ref: 347-354 Objective: (5.1) Page Page Page Page Page Pa	Answer Key Testname: 155CH.5TST 70) B D: TCALCIIW 5.1.3-1 Diff: 0 Page Ref: 327-335 Objective: (5.1) Estimate Average Value of Function 71 A D: TCALCIIW 5.6.1-2 Diff: 0 Page Ref: 378-385 Objective: (5.6) Use Substitution Formula to Evaluate Integral 72 A D: TCALCIIW 5.1.1-2 Diff: 0 Page Ref: 327-335 Objective: (5.1) Approximate Area Using Finite Sum 73 A D: TCALCIIW 5.4.2-7 Diff: 0 Page Ref: 338-366 Objective: (5.3) Find Average Value by Ceometric Method 75 D D: TCALCIIW 5.3.6-6 Diff: 0 Page Ref: 345-354 Objective: (5.3) Find Average Value by Ceometric Method 75 D D: TCALCIIW 5.3.6-4 Diff: 0 Page Ref: 345-354 Objective: (5.3) Find Average Value by Ceometric Method 76 D D: TCALCIIW 5.3.6-4 Diff: 0 Page Ref: 345-354 Objective: (5.3) Find Average Value by Ceometric Method 77 D D: TCALCIIW 5.3.3-9 Diff: 0 Page Ref: 345-354 Objective: (5.3) Find Average Value by Ceometric Method 78 D D: TCALCIIW 5.3.3-9 Diff: 0 Page Ref: 345-354 Objective: (5.3) Find Average Value by Ceometric Method 79 D D: TCALCIIW 5.3.3-9 Diff: 0 Page Ref: 345-354 Objective: (5.3) Use Area to Evaluate Integral 78 A D: TCALCIIW 5.3.1-9 Diff: 0 Page Ref: 358-366 Objective: (5.3) Kind Verage Value by Ceometric Method 79 A D: TCALCIIW 5.3.1-9 Diff: 0 Page Ref: 345-354 Objective: (5.3) Kind Average Value by Ceometric Method
Answer Key Testname: 155CH.5TST 9) B DTCALCIIW 5.1.1-4 Diff: 0 Page Ref: 327-335 Objective: (5.1) Proceedimete Area Using Finite Sum (9) B DTCALCIIW 5.2-4 Diff: 0 Page Ref: 378-385 Objective: (5.0) Find Area of Shaded Region (1) A DTCALCIIW 5.2-7 Diff: 0 Page Ref: 337-344 Objective: (5.2) Construct Rectangles for Riemann Sum (2) B DTCALCIIW 5.12-8 Diff: 0 Page Ref: 327-335 Objective: (5.2) Construct Rectangles for Riemann Sum (3) A DTCALCIIW 5.12-8 Diff: 0 Page Ref: 327-335 Objective: (5.2) Construct Rectangles for Riemann Sum (4) B DTCALCIIW 5.11-10 Diff: 0 Page Ref: 327-335 Objective: (5.1) Approximate Area Using Finite Sum (5) A DTCALCIIW 5.3-7 Diff: 0 Page Ref: 327-344 Objective: (5.2) Construct Rectangles for Riemann Sum (6) B DTCALCIIW 5.3-7 Diff: 0 Page Ref: 327-335 Objective: (5.1) Pind Area Between Curve and x-Axis (5) A DTCALCIIW 5.3-7 Diff: 0 Page Ref: 327-335 Objective: (5.1) Pind Area Between Curve and x-Axis (6) B DTCALCIIW 5.3-7 Diff: 0 Page Ref: 327-335 Objective: (5.1) Estimate Average Value of Function (6) B DTCALCIIW 5.3-7 Diff: 0 Page Ref: 337-344 Objective: (5.1) Estimate Average Value of Function (6) B DTCALCIIW 5.3-7 Diff: 0 Page Ref: 337-344 Objective: (5.1) Estimate Average Value of Function (6) B DTCALCIIW 5.3-7 Diff: 0 Page Ref: 343-354 Objective: (5.1) Estimate Average Value of Function (6) B DTCALCIIW 5.3-7 Diff: 0 Page Ref: 343-354 Objective: (5.1) Estimate Average Value and Function (6) B DTCALCIIW 5.3-7 Diff: 0 Page Ref: 343-354 Objective: (5.1) Estimate Average Value and Function (6) B DTCALCIIW 5.3-7 Diff: 0 Page Ref: 343-354 Objective: (5.1) Estimate Average Value and Function (6) B DTCALCIIW 5.3-7 Diff: 0 Page Ref: 343-354 Objective: (5.1) Estimate Average Value and Function (6) B DTCALCIIW 5.3-4 Diff: 0 Page Ref: 343-354 Diff: 0 Page Ref: 343-3	Answer Key Testname: 155CH.5TST 70) B D: TCALCHV5.1.3-1 Diff: 0 Page Ref: 327-335 Objective: (5.1) Estimate Average Value of Function 71) A D: TCALCHV5.6.1-2 Diff: 0 Page Ref: 378-385 Objective: (5.6) Use Substitution Formula to Evaluate Integral 72) A DI: TCALCHV5.1.1-2 Diff: 0 Page Ref: 327-335 Objective: (5.1) Approximate Area Using Finite Sum 73) A D: TCALCHV5.4.2-7 Diff: 0 Page Ref: 338-366 Objective: (5.4) Differentiate Integral 74 C D: TCALCHV5.3.6-6 Diff: 0 Page Ref: 345-354 Objective: (5.3) Find Average Value by Geometric Method 75 D D: TCALCHV5.3.6-7 Diff: 0 Page Ref: 345-354 Objective: (5.3) Find Average Value by Geometric Method 76 D D: TCALCHV5.3.6-4 Diff: 0 Page Ref: 345-354 Objective: (5.3) Find Average Value by Geometric Method 77 D D: TCALCHV5.3.3-9 Diff: 0 Page Ref: 345-354 Objective: (5.3) Use Area to Evaluate Integral 78 A D: TCALCHV5.3.1-9 Diff: 0 Page Ref: 345-354 Objective: (5.3) End Average Value by Geometric Method 79 D: TCALCHV5.3.1-9 Diff: 0 Page Ref: 345-354 Objective: (5.3) End Average Value by Geometric Method 79 D D: TCALCHV5.3.1-9 Diff: 0 Page Ref: 345-354 Objective: (5.3) Express Limit of Riemann Sums as Definite Integral 80 B D: TCALCHV5.3.4-9

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81)	D
	ID: TCALCT1W 5.5.1-6 Diff: 0 Page Ref: 370-376
6 2)	Objective: (5.5) Evaluate Integral Using Suggested Substitution
02)	D: TCALC11W 5.3.1-10 Diff: 0 Page Ref: 345-354 Objective: (5.3) Express Limit of Riemann Sums as Definite Integral
83)	
	DF (CALLELIN 54.5-1) Diff 0 Fage Ref: 558-366 Objective: (5.4) Find Area Between Curve and x-Axis
84)	C ID: TCALC11W 5.1.1-5
	Diff: 0 Page Ref: 327-335 Objective: (5.1) Approximate Area Using Finite Sum
85)	B ID: TCALC11W 5.5.2-2 Diff 0 Page Ref: 370-376
	Objective: (5.5) Use Substitution Rule to Evaluate Integral
86)	A ID: TCALC11W 5.6.4-3
	Diff: 0 Page Ref: 378-385 Objective: (5.6) Know Concepts: Substitution and Area Between Curves
87)	C ID TCALC11W 555-5
	Diff: 0 Page Ref: 370-376 Objective (5 5) Solve Velocity / Acceleration Problem
88)	D
,	ID: TCALC11W 5.4.3-9 Diff: 0 Page Ref: 358-366
_	Objective: (5.4) Find Area Between Curve and x-Axis
89)	D ID:TCALCHW 5.47-8 Diff: 0 Page Ref: 58-366 D
90)	обрасност долу олам солкником комил поли поли Олари А
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.nsv esti .03) .04)	69 wer Key name: 155CH.5TST B ID: TCALCI1W 5.24-2 Diff: 0 Page Ref: 337-344 Objective: (5.2) Find Area Taking Limit of Upper Sum A ID: TCALCI1W 5.12-2 Diff: 0 Page Ref: 327-335 Objective: (5.1) Solve Apps: Velocity, Distance, Flow
.nsv esti .03) .04)	69 wer Key name: 155CH.5TST B ID: TCALCIIW 524-2 Diff 0 Page Ref: 337-344 Objective: (52) Find Area Taking Limit of Upper Sum A ID: TCALCIIW 5.12-2 Diff 0 Page Ref: 327-335 Objective: (51) Solve Apps: Velocity, Distance, Flow D ID: TCALCIIW 5.21-8
.nsv esti .03) .04)	69 wer Key name: 155CH.5TST B ID: TCALCHW 524-2 Diff: 0 Page Ref: 337-344 Objettive: (5.1) Solve Apps: Velocity, Distance, Flow D D D D TCTALCHW 52.1-8 Diff: 0 Page Ref: 337-344 Objettive: (5.1) Solve Apps: Velocity, Distance, Flow D D D D D D D D D D D D D D D D D D D
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.nsv esti .03) .04) .05) .06) .07) .08)	69 Wer Key hame: 155CH.5TST B D: TCALCI1W 5.2.4-2 Diff 0 Page Ref: 337-344 Objective: (5.2) Find Area Taking Limit of Upper Sum A A D: TCALCI1W 5.1.2-2 Diff 0 Page Ref: 327-335 Objective: (5.1) Solve Apps: Velocity, Distance, Flow D D: TCALCI1W 5.2.1-8 Diff 0 Page Ref: 337-344 Objective: (5.2) Write Sum and Evaluate C D: TCALCI1W 5.4.1-3 Diff 0 Page Ref: 358-366 Objective: (5.4) Evaluate Integral C D: TCALCILW 5.4.2-9 Diff 0 Page Ref: 378-385 Objective: (5.6) Find Area of Shaded Region D D: TCALCILW 5.1.3-3 D D D: TCAL
	69 ver Key hame: 155CH.5TST B D: TCALCIIW 52.4-2 Diff: 0 Page Ref: 337-344 Objective: (5.2) Find Area Taking Limit of Upper Sum A A D: TCALCIIW 5.1-2 Diff: 0 Page Ref: 327-335 Objective: (5.1) Solve Apps: Velocity, Distance, Flow D D: TCALCIIW 5.21-8 Diff: 0 Page Ref: 327-334 Objective: (5.2) Write Sum and Evaluate C D: TCALCIIW 5.41-3 Diff: 0 Page Ref: 358-366 Objective: (5.4) Evaluate Integral C D: TCALCIIW 5.62-9 Diff: 0 Page Ref: 378-385 Objective: (5.6) Find Area of Shaded Region D D: TCALCIIW 5.13-3 Diff: 0 Page Ref: 327-335 Diptertive: (5.6) Find Area of Shaded Region D D: TCALCIIW 5.13-3 Diff: 0 Page Ref: 327-335 Diff: 0 Page Ref: 327-335 Diptertive: (5.6) Find Area of Shaded Region D D: TCALCIIW 5.13-3 Diff: 0 Page Ref: 327-335 Diff: 0 Page Ref: 327-3
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103) 103) 104) 105) 106) 107) 1008) 109) 109) 1010 1011 111) 1111)	$b_{\text{prime}} = \frac{1}{2} b_{\text{prime}} \frac{1}{2} b_{\text{prim}} \frac{1}{2} b_{\text{prime}} \frac{1}{2} b_{p$
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98) C ID: TCALC11W 5.6.1-9 Diff: 0 Page Ref: 378-385 Objective: (5.6) Use Substitution Formula to Evaluate Integral 99) C ID: TCALC11W 5.5.1-1 Diff: 0 Page Ref: 370-376 Objective: (5.5) Evaluate Integral Using Suggested Substitution 100) C ID: TCALC11W 5.5.5-1 Diff: 0 Page Ref: 370-376 Objective: (5.5) Solve Velocity / Acceleration Problem 101) C ID: TCALC11W 5.4.7-5 Diff: 0 Page Ref: 358-366 Objective: (5.4) Draw Conclusion about Motion from Graph 102) A ID: TCALC11W 5.3.2-9 Diff: 0 Page Ref: 345-354 Objective: (5.3) Use Properties/Known Values to Find Integral

Answer Key Testname: 155CH.5TST

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92) A ID: TCALC11W 5.2.4-3 Diff: 0 Page Ref: 337-344 Objective: (5.2) Find Area Taking Limit of Upper Sum

93) D ID: TCALC11W 5.1.1-6 Diff: 0 Page Ref: 327-335 Objective: (5.1) Approximate Area Using Finite Sum

Diff: 0 Page Ref: 378-385 Objective: (5.6) Use Substitution Formula to Evaluate Integral

Diff: 0 Page Ref: 345-354 Objective: (5.3) Find Average Value by Geometric Method

97) A ID: TCALCI1W 56.4-2 Diff: 0 Page Ref: 378-385 Objective: (5.6) Know Concepts: Substitution and Area Between Curves

94) B ID: TCALC11W 5.6.1-1

96) A ID: TCALC11W 5.3.6-2

95) D ID: TCALC11W 5.4.1-9 Diff: 0 Page Ref: 358-366 Objective: (5.4) Evaluate Integral

114) B ID: TCALC11W 5.4.1-2 Diff: 0 Page Ref: 358-366 Objective: (5.4) Evaluate Integral

115) D ID: TCALC11W 5.4.3-7 Diff: 0 Page Ref: 358-366 Objective: (5.4) Find Area Between Curve and x-Axis

116) A ID: TCALC11W 5.3.3-10 Page Ref: 34 Diff: 0 Page Ref: 345-354 Objective: (5.3) Use Area to Evaluate Integral

117) B ID: TCALC11W 5.5.2-10 Diff: 0 Page Ref: 370-376 Objective: (5.5) Use Substitution Rule to Evaluate Integral

118) C ID: TCALCUIW 5.1.3-8 Diff: 0 Page Ref: 327-335 Objective: (5.1) Estimate Average Value of Function

119) C Dib. TCALCHW 5.3.1-6 Diff. 0 Page Ref: 345-354 Objective: (5.3) Express Limit of Riemann Sums as Definite Integral

120) C ID: TCALCI1W 5.3.1-3 Diff: 0 Page Ref: 345-354 Objective: (5.3) Express Limit of Riemann Sums as Definite Integral

121) A ID: TCALCHW 5.52-5 Diff. 0 Page Ref: 370-376 Objective: (5.5) Use Substitution Rule to Evaluate Integral

122) C ID: TCALCI1W 54.8-6 Diff: 0 Page Ref: 358-366 Objective: (5.4) Know Concepts: Fundamental Theorem of Calculus

123) D ID: TCALC11W 5.3.4-1 Diff: 0 Page Ref: 345-354 Objective: (5.3) Evaluate Definite Integral

124) B ID: TCALC11W 5.1.3-2 Diff: 0 Page Ref: 327-335 Objective: (5.1) Estimate Average Value of Function

Answer Key Testname: 155CH.5TST 125) A ID: TCALC11W 5.3.1-1 Diff 0 Page Ref: 345-354 Objective: (5.3) Express Limit of Riemann Sums as Definite Integral 126) B ID: TCALC11W 5.4.3-5 Diff: 0 Page Ref: 358-366 Objective: (5.4) Find Area Between Curve and x-Axis 127) A ID: TCALC11W 5.1.3-9 Diff: 0 Page Ref: 327-335 Objective: (5.1) Estimate Average Value of Function 128) C ID: TCALC11W 5.5.2-7 Diff: 0 Page Ref: 370-376 Objective: (5.5) Use Substitution Rule to Evaluate Integral 129) B ID: TCALC11W 5.4.4-9 Diff: 0 Page Ref: 358-366 Objective: (5.4) Find Area of Shaded Region on Graph 130) C ID: TCALCI1W 56.3-6 Diff: 0 Page Ref: 378-385 Objective: (5.6) Find Area Enclosed by Curves Given Equations 131) A ID: TCALC11W 5.2.1-3 Diff: 0 Page Ref: 337-344 Objective: (5.2) Write Sum and Evaluate 132) D ID: TCALC11W 5.3.4-2 Diff: 0 Page Ref: 345-354 Objective: (5.3) Evaluate Definite Integral 133) A ID: TCALC11W 5.4.2-1 Diff: 0 Page Ref: 358-366 Objective: (5.4) Differentiate Integral 134) B ID: TCALC11W 5.4.8-3 Diff: 0 Page Ref: 358-366 Objective: (5.4) Know Concepts: Fundamental Theorem of Calculus 135) D ID: TCALC11W 5.3.5-3 Diff: 0 Page Ref: 345-354 Objective: (5.3) Find Area Between Curve and x-Axis 73 Answer Key Testname: 155CH.5TST 147) B ID: TCALC11W 5.1.1-1 Diff: 0 Page Ref: 327-335 Objective: (5.1) Approximate Area Using Finite Sum 148) D ID: TCALC11W 5.3.5-2 Diff: 0 Page Ref: 345-354 Objective: (5.3) Find Area Between Curve and x-Axis 149) D ID: TCALC11W 5.3.6-8 Diff: 0 Page Ref: 345-354 Objective: (5.3) Find Average Value by Geometric Method 150) B ID: TCALC11W 5.3.1-2 Diff: 0 Page Ref: 345-354 Objective: (5.3) Express Limit of Riemann Sums as Definite Integral 151) A ID: TCALCIIW 5.4.4-7 Diff: 0 Page Ref: 358-366 Objective: (5.4) Find Area of Shaded Region on Graph 152) D ID: TCALC11W 5.3.2-8 Diff: 0 Page Ref: 345-354 Objective: (5.3) Use Properties/Known Values to Find Integral 153) A ID: TCALC11W 5.4.3-10 Diff: 0 Page Ref: 358-366 Objective: (5.4) Find Area Between Curve and x-Axis 154) C ID: TCALC11W 5.4.8-1 Diff: 0 Page Ref: 358-366 Objective: (5.4) Know Concepts: Fundamental Theorem of Calculus 155) B ID: TCALC11W 5.4.3-3 Diff: 0 Page Ref: 358-366 Objective: (5.4) Find Area Between Curve and x-Axis A Di: TCALC11W 5.1.2-3 Diff: 0 Page Ref: 327-335 Objective: (5.1) Solve Apps: Velocity, Distance, Flow

157) B ID: TCALC11W 5.6.1-5 Diff: 0 Page Ref: 378-385 Objective: (5.6) Use Substitution Formula to Evaluate Integral

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- 136) A ID: TCALC11W 53.3-8 Diff: 0 Page Ref: 345-354 Objective: (5.3) Use Area to Evaluate Integral
- 137) C ID: TCALC11W 5.4.5-3 Diff: 0 Page Ref: 358-366 Objective: (5.4) Solve Initial Value Problem
- 138) A ID: TCALC11W 5.6.2-7 Diff: 0 Page Ref: 378-385 Objective: (5.6) Find Area of Shaded Region
- 139) C ID: TCALC11W 5.3.4-8 Diff: 0 Page Ref: 345-354 Objective: (5.3) Evaluate Definite Integral
- 140) B ID: TCALC11W 5.2.1-2 Diff: 0 Page Ref: 337–344 Objective: (5.2) Write Sum and Evaluate
- 141) B ID: TCALCI1W 52.3-5 Diff: 0 Page Ref: 337-344 Objective: (5.2) Construct Rectangles for Riemann Sum
- 142) A ID: TCALC11W 5.5.4-3 Diff: 0 Page Ref: 370-376 Objective: (5.5) Solve Initial Value Problem
- 143) A ID: TCALCIIW 5.4.4-1 Diff: 0 Page Ref: 358-366 Objective: (5.4) Find Area of Shaded Region on Graph
- 144) C ID: TCALCI1W 56.3-3 Diff: 0 Page Ref: 378-385 Objective: (5.6) Find Area Enclosed by Curves Given Equations
- 145) D ID: TCALC11W 5.3.3-4 Diff: 0 Page Ref: 345-354 Objective: (5.3) Use Area to Evaluate Integral
- 146) D ID: TCALC11W 5.2.1-5 Diff: 0 Page Ref: 337-344 Objective: (5.2) Write Sum and Evaluate

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Answer Key Testname: 155CH.5TST

- 158) A ID: TCALC11W 5.2.2-4 Diff: 0 Page Ref: 337–344 Objective: (5.2) Find Value Using Algebraic Rules
- 159) C ID: TCALC11W 5.4.7-4 Diff: 0 Page Ref: 358-366 Objective: (5.4) Draw Conclusion about Motion from Graph
- 160) B ID: TCALC11W 5.5.1-8 Diff: 0 Page Ref: 370-376 Objective: (5.5) Evaluate Integral Using Suggested Substitution
- 161) D ID: TCALC11W 5.3.6-5 Diff: 0 Page Ref: 345-354 Objective: (5.3) Find Average Value by Geometric Method
- 162) C ID: TCALCHIW 5.1.2-4 Diff: 0 Page Ref: 327-335 Objective: (5.1) Solve Apps: Velocity, Distance, Flow
- 163) B ID: TCALCHW 52.3-1 Diff: 0 Page Ref: 337-344 Objective: (5.2) Construct Rectangles for Riemann Sum
- 164) D ID: TCALC11W 5.5.1-9 Diff: 0 Page Ref: 370-376 Objective: (5.5) Evaluate Integral Using Suggested Substitution
- 165) B ID: TCALC11W 5.5.2-9 Diff: 0 Page Ref: 370-376 Objective: (5.5) Use Substitution Rule to Evaluate Integral
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 Page Ref. 358-366

 Objective: (5.4) Find Area of Shaded Region on Graph
- 167) A ID: TCALCI1W 54.6-3 Diff: 0 Page Ref: 338-366 Objective: (5.4) Solve Apps: Fundamental Theorem of Calculus
- 168) D ID: TCALC11W 5.6.3-2 Diff: 0 Page Ref: 378-385 Objective: (5.6) Find Area Enclosed by Curves Given Equations

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Answer Key Testname: 155CH.5TST	Testname: 155CH.5TST
169) C	180) D
ID: TCALC11W 5.4.4-3 Diff: 0 Page Ref: 358-366	ID: TCALC11W 5.3.6-9 Diff: 0 Page Ref: 345-354
Objective: (5.4) Find Area of Shaded Region on Graph	Objective: (5.3) Find Average Value by Geometric Method
170) D ID: TCALC11W 5.6.2-6	181) A ID: TCALC11W 5.5.3-4
Diff: 0 Page Ref: 378-385 Objective: (5.6) Find Area of Shaded Region	Diff: 0 Page Ref: 370-376 Objective: (5.5) Integrate by Using Sequences of Substitutions
171) D	182) A
Diff: 0 Page Ref: 358-366	Diff: 0 Page Ref: 327-335
Objective: (5.4) Differentiate Integral	Objective: (5.1) Approximate Area Using Finite Sum
172) D ID: TCALC11W 5.2.1-4 Dff 0 Reco Bet 227, 244	105) C ID: TCALC11W 5.6.2-1
Objective: (5.2) Write Sum and Evaluate	Objective: (5.6) Find Area of Shaded Region
173) D ID: TCALC11W 5.2.1-7	184) B ID: TCALC11W 5.6.3-7
Diff: 0 Page Ref: 337-344 Objective (5.2) Weits Sum and Evaluate	Diff: 0 Page Ref: 378-385 Objective: (5.6) Find Area Enclosed by Curves Given Fountions
174) C	185) D
ID: TCALC11W 5.4.2-9 Diff: 0 Page Ref: 358-366	ID: TCALC11W 5.1.3-10 Diff: 0 Page Ref: 327-335
Objective: (5.4) Differentiate Integral	Objective: (5.1) Estimate Average Value of Function
175) D ID: TCALC11W 5.3.2-6	186) A ID: TCALC11W 5.6.1-3
Diff: 0 Page Ref: 345-354 Objective: (5.3) Use Properties/Known Values to Find Integral	Diff: 0 Page Ref: 378-385 Objective: (5.6) Use Substitution Formula to Evaluate Integral
176) B	187) D
D: ICALCTIW 54.7-6 Diff: 0 Page Ref: 358-366	D: ICALCTIW 5.5.2-3 Diff: 0 Page Ref: 370-376
Objective: (5.4) Draw Conclusion about Motion from Graph	Objective: (5.5) Use Substitution Rule to Evaluate Integral
1//) B ID: TCALC11W 5.4.5-1	188) A ID: TCALC11W 5.5.1-2
Objective: (5.4) Solve Initial Value Problem	Objective: (5.5) Evaluate Integral Using Suggested Substitution
178) D ID: TCALCLIW 52 3-3	189) C ID: TCALC11W 5 5 4-8
Diff: 0 Page Ref: 337-344	Diff: 0 Page Ref: 370-376
179) B	190) D
Di: TCALC11W 5.1.3-4 Diff: 0 Page Ref: 327-335	D: TCALC11W 5.3.2-7 Diff: 0 Page Ref: 345-354
Objective: (5.1) Estimate Average Value of Function	Objective: (5.3) Use Properties/Known Values to Find Integral
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77 Answer Key Testname: 155CH.5TST	78 Answer Key Testname: 155CH.5TST
77 Answer Key Testname: 155CH.5TST	78 Answer Key Testname: 155CH.5TST
77 Answer Key Testname: 155CH.5TST 19D A	78 Answer Key Testname: 155CH.5TST 202) D
77 Answer Key Testname: 155CH.5TST 191) A D: TCALCHW 54.1-4 Diff: 0 Page Ref: 358-366	78 Answer Key Testname: 155CH.5TST 202) D ID: TCALCIIW 5.3.5-4 Diff: 0 Page Ref: 345-354
77 Answer Key Testname: 155CH.5TST 191) A Di: TCALCI1W 5.4.1-4 Di: TCALCI1W 5.4.1-4 Di: TCALCI1W 5.4.1-4 Di: Collocation of the second of the	78 Answer Key Testname: 155CH.5TST 202) D ID: TCALC11W 5.3.5-4 Diff: 0 Page Ref: 345-354 Objective: (5.3) Find Area Between Curve and x-Axis
77 Answer Key Testname: 155CH.5TST 191 A DI: TCALCIIW 5.4.1-4 Diff: 0 Page Ref: 358-366 Objective: (5.4) Evaluate Integral 192 C D: TCALCIIW 5.4.1-5	78 Answer Key Testname: 155CH.5TST 202) D ID: TCALC11W 5.3.5-4 Diff: 0 Page Ref: 345-354 Objective: (5.3) Find Area Between Curve and x-Axis 203) A ID: TCALC11W 5.5.4-2
77 Answer Key Testname: 155CH.5TST 191) A Di:TCALCI1W5.4.1-4 Diff: 0 Page Ref: 358-366 Objective: (5.4) Evaluate Integral 192 C Di:TCALCI1W5.4.1-5 Diff: 0 Page Ref: 358-366 Objective: (5.6) Fundate Integral	78 Answer Key Testname: 155CH.5TST 202) D ID:TCALC11W 5.3.5-4 Diff: 0 Page Ref: 345-354 Objective: (5.3) Find Area Between Curve and x-Axis 203) A ID:TCALC11W 5.5.4-2 Diff: 0 Page Ref: 370-376 Objective: (5.5) Solve Initial Value Problem
77 Answer Key Testname: 155CH.5TST 191) A Di:TCALCIIW 5.4.1-4 Diff: 0 Page Ref: 358-366 Objective: (3.4) Evaluate Integral 192) C Di:TCALCIIW 5.4.1-5 Diff: 0 Page Ref: 358-366 Objective: (3.6) Evaluate Integral 193) C	78 Answer Key Testname: 155CH.5TST 202) D ID:TCALC11W 5.3.5-4 Diff: 0 Page Ref: 345-354 Objective: (5.3) Find Area Between Curve and x-Axis 203) A ID:TCALC11W 5.5.4-2 Diff: 0 Page Ref: 370-376 Objective: (5.3) Solve Initial Value Problem 204) B
77 Answer Key Testname: 155CH.5TST 191) A Diff: 0 Page Ref: 358-366 Objective: (5.4) Evaluate Integral 192 C D: TCALCIIW 5.4.1-5 Diff: 0 Page Ref: 358-366 Objective: (5.4) Evaluate Integral 193 C D: TCALCIW 5.1.2-1 Diff: 0 Page Ref: 327-335	78 Answer Key Testname: 155CH.5TST 202) D ID:TCALC11W 5.3.5-4 Diff: 0 Page Ref: 345-354 Objective: (5.3) Find Area Between Curve and x-Axis 203) A ID:TCALC11W 5.54-2 Diff: 0 Page Ref: 370-376 Objective: (5.5) Solve Initial Value Problem 204) B ID:TCALC11W 5.42-2 Diff: 0 Page Ref: 358-366
77 Answer Key Testname: 155CH.5TST 191 A Di:TCALCIIW 5.1.14 Diff: 0 Page Ref: 358-366 Objective: (5.4) Evaluate Integral 192 C Di:TCALCIIW 5.1.1-5 Diff: 0 Page Ref: 358-366 Objective: (5.4) Evaluate Integral 193 C Di:TCALCIIW 5.1.2-1 Diff: 0 Page Ref: 327-335 Objective: (5.1) Solve Apps: Velocity, Distance, Flow	202) D D: TCALC11W 5.3.5-4 Diff: 0 Page Ref: 345-354 Objective: (5.3) Find Area Between Curve and x-Axis 203) A ID: TCALC11W 5.5.4-2 Diff: 0 Page Ref: 370-376 Objective: (5.5) Solve Initial Value Problem 204) B D: TCALC11W 5.4-2-2 Diff: 0 Page Ref: 358-366 Objective: (5.4) Differentiate Integral 205) C
Transver Key Testname: 155CH.5TST 191) A D:TCALCIIW 5.1-4 Dif: 0 Page Ref: 358-366 Objective: (5.4) Evaluate Integral 192 C D:TCALCIIW 5.1-5 Dif: 0 Page Ref: 338-366 Objective: (5.4) Evaluate Integral 193 C Dif: 0 Page Ref: 338-366 Objective: (5.4) Evaluate Integral 193 C Dif: 0 Page Ref: 327-335 Objective: (5.1) Solve Apps: Velocity, Distance, Flow 194 B D:TCALCIIW 5.12-1 Dif: 0 Page Ref: 327-335 Objective: (5.1) Solve Apps: Velocity, Distance, Flow	78 Answer Key Testname: 155CH.5TST 202) D ID:TCALC11W 5.3.5-4 Diff: 0 Page Ref: 345-354 Objective: (5.3) Find Area Between Curve and x-Axis 203) A ID:TCALC11W 5.54-2 Diff: 0 Page Ref: 370-376 Objective: (5.3) Solve Initial Value Problem 204) B ID:TCALC11W 5.62-2 Diff: 0 Page Ref: 358-366 Objective: (5.4) Differentiate Integral 205) C D:TCALC11W 5.63-41 D)(50.2) C D)(50.2) C D)(50.
77 Answer Key Testname: 155CH.5TST 19) A D:TCALCIIW 54.1-4 Diff: 0 Page Ref: 358-366 Objective: (5.4) Evaluate Integral 192 C D:TCALCIIW 54.1-5 Diff: 0 Page Ref: 358-366 Objective: (5.4) Evaluate Integral 193 C D:TCALCIW 51.2-1 Diff: 0 Page Ref: 327-335 Objective: (5.1) Solve Apps: Velocity, Distance, Flow 19 B D:TCALCIW 55.3-3 Diff: 0 Page Ref: 327-376 Objective: (5.5) Integrate by Using Sequences of Substitutions	78 Answer Key Testname: 155CH.5TST 202) D ID:TCALC11W 5.3.5-4 Dif: 0 Page Ref: 345-354 Objective: (5.3) Find Area Between Curve and x-Axis 203) A ID:TCALC11W 5.5.4-2 Diff: 0 Page Ref: 370-376 Objective: (5.5) Solve Initial Value Problem 204) B ID:TCALC11W 5.4-2-2 Diff: 0 Page Ref: 378-366 Objective: (5.4) Differentiate Integral 205) C ID:TCALC11W 5.6.3-4 Diff: 0 Page Ref: 378-385 Objective: (5.6) Find Area Enclosed by Curves Given Equations
Answer Key Testnam: 155CH.5TST 19) A D: TCALCIIW 54.1-4 Dif: 0 D: TCALCIIW 54.1-4 Dif: 0 D: TCALCIIW 54.1-5 Dif: 0 D: TCALCIW 55.2-3 Dif: 0 D: TCALCIW 55.2-5 Dif: 0 D: TCALCIW 55.2-5	 Answer Key Testname: 155CH.5TST 202) D ID: TCALC11W 5.3.5-4 Dif: 0 Page Ref: 35-334 Objective: (5.3) Find Area Between Curve and x-Axis 203) A ID: TCALC11W 5.5.4-2 Dif: 0 Page Ref: 378-376 Objective: (5.5) Solve Initial Value Problem 204) B ID: TCALC11W 5.4-2 Dif: 0 Page Ref: 378-366 Objective: (5.4) Differentiate Integral 205) C ID: TCALC11W 5.6.3-4 Diff: 0 Page Ref: 378-385 Objective: (5.6) Find Area Enclosed by Curves Given Equations 206) D ID: TCALC11W 5.31-5
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Answer Key Testname: 155CH.5TST 10) A Di TCALCIIW 54.1-4 Diff: 0 Di TCALCIIW 54.1-5 Diff: 0 Page Ref: 358-366 Objective: (5.4) Evaluate Integral 20 DI TCALCIIW 54.1-5 Diff: 0 Diff: 0 Page Ref: 358-366 Objective: (5.4) Evaluate Integral 20 DI TCALCIIW 54.1-5 Diff: 0 Diff: 0 Page Ref: 358-366 Objective: (5.4) Evaluate Integral 21 DI TCALCIIW 54.3-5 Diff: 0 Page Ref: 30-376 Objective: (5.5) Integrate by Using Sequences of Substitutions 29 DI TCALCIIW 52.3-5 Diff: 0 Diff: 0 Page Ref: 345-351 Objective: (5.3) Evaluate Definite Integral Diff: 0 Page Ref: 345-351 Objective: (5.3) Evaluate Definite Integral Diff: 0 Page Ref: 345-351 Objective: (5.3) Evaluate Definite Integral Diff: 0 Page Ref: 345-351 Objective: (5.3) Evaluate Definite Integral Diff: 0 Page Ref: 345-351 Objective: (5.3) Evaluate Definite Integral Diff: 0 Page Ref: 345-351 Objective: (5.3) Evaluate Definite Integral	 Answer Key Testname: 155CH.5TST 202) D ID: TCALC11W 5.3.5-4 Diff: 0 Page Ref: 35-334 Objective: (5.3) Find Area Between Curve and x-Axis 203) A ID: TCALC11W 5.3.4-2 Diff: 0 Page Ref: 350-376 Objective: (5.5) Solve Initial Value Problem 204) B ID: TCALC11W 5.4.2-2 Diff: 0 Page Ref: 358-366 Objective: (5.4) Differentiate Integral 205 C ID: TCALC11W 5.3.4-2 Diff: 0 Page Ref: 358-365 Objective: (5.4) Differentiate Integral 205 D ID: TCALC11W 5.3.4-5 Diff: 0 Page Ref: 358-385 Objective: (5.6) Find Area Enclosed by Curves Given Equations 206 D ID: TCALC11W 5.3.1-5 Diff: 0 Page Ref: 358-384 Objective: (5.3) Express Limit of Riemann Sums as Definite Integral 207 D ID: TCALC11W 5.3.2-10 Diff: 0 Page Ref: 345-334 Objective: (5.3) Use Properties/Known Values to Find Integral 208 D ID: TCALC11W 5.3.4-5
Answer Key Testnam: 155CH.5TST 19) A D: TCALCIIW 54.1-4 D: TCALCIIW 54.1-5 Diff 0 Page Ref: 358-366 Objective: (5.4) Evaluate Integral 19) C D: TCALCIIW 54.1-5 Diff 0 Page Ref: 358-366 Objective: (5.1) Solve Appe: Velocity, Distance, Flow 10) C D: TCALCIIW 51.2-1 Diff 0 Page Ref: 327-335 Objective: (5.1) Solve Appe: Velocity, Distance, Flow 10) C D: TCALCIIW 51.2-3 Diff 0 Page Ref: 327-335 Objective: (5.1) Solve Appe: Velocity, Distance, Flow 10) B D: TCALCIIW 53.2-3 Diff 0 Page Ref: 327-336 Objective: (5.1) Solve Appe: Velocity, Distance, Flow 11) C Diff 0 Page Ref: 327-336 Objective: (5.1) Solve Appe: Velocity, Distance, Flow 11) C Diff 0 Page Ref: 327-336 Objective: (5.1) Solve Appe: Velocity, Distance, Flow 11) C Diff 0 Page Ref: 327-336 Objective: (5.1) Solve Appe: Velocity, Distance, Flow 12) C D: TCALCIIW 53.2-3 Diff 0 Page Ref: 327-336 Objective: (5.1) Solve Appe: Velocity, Distance, Flow 12) C D: TCALCIIW 53.2-3 Diff 0 Page Ref: 327-336 Objective: (5.1) Solve Appe: Velocity, Distance, Flow 12) C D: TCALCIIW 53.2-3 Diff 0 Page Ref: 327-336 Objective: (5.1) Solve Appe: Velocity, Distance, Flow 12) C D: TCALCIIW 53.2-3 Diff 0 Page Ref: 327-336 Objective: (5.1) Solve Appe: Velocity, Distance, Flow	 Answer Key Testname: 155CH.5TST 202 D D: TCALC11W 5.3.5-4 Dif: 0 Page Ref: 35-334 Objective: (5.3) Find Area Between Curve and x-Axis 30 A D: TCALC11W 5.3.4-2 Dif: 0 Page Ref: 350-376 Objective: (5.5) Solve Initial Value Problem 204 B D: TCALC11W 5.4-2-2 Dif: 0 Page Ref: 358-366 Objective: (5.4) Differentiate Integral 205 C D: TCALC11W 5.3.4-3 Dif: 0 Page Ref: 358-365 Objective: (5.4) Differentiate Integral 205 D D: TCALC11W 5.3.1-5 Diff: 0 Page Ref: 358-384 Objective: (5.3) Express Limit of Riemann Sums as Definite Integral 207 D D: TCALC11W 5.3.2-10 Diff: 0 Page Ref: 345-334 Objective: (5.3) Use Properties/Known Values to Find Integral 208 D D: TCALC11W 5.3.4-5 Diff: 0 Page Ref: 345-334 Objective: (5.3) Use Properties/Known Values to Find Integral 208 D D: TCALC11W 5.3.4-5 Diff: 0 Page Ref: 345-334 Objective: (5.3) Fundato Profinite Integral
Answer Key Testnam:: 155CH.5TST 19) A D::TCALCIIW54.1-4 D::TCALCIIW54.1-5 Diff 0 Page Ref: 358-366 Objective: (5.4) Evaluate Integral 20 C D::TCALCIIW54.1-5 Diff 0 Page Ref: 358-366 Objective: (5.1) Solve Appe: Velocity, Distance, Flow 30 C D::TCALCIIW51.2-1 Diff 0 Page Ref: 327-335 Objective: (5.1) Solve Appe: Velocity, Distance, Flow 40 B D::TCALCIIW53.2-3 Diff: 0 Page Ref: 327-335 Objective: (5.1) Solve Appe: Velocity, Distance, Flow 41 B D::TCALCIIW53.2-3 Diff: 0 Page Ref: 327-336 Objective: (5.1) Solve Appe: Velocity, Distance, Flow 41 B D::TCALCIIW53.2-3 Diff: 0 Page Ref: 327-336 Objective: (5.1) Solve Appe: Velocity, Distance, Flow 42 B D::TCALCIIW53.2-3 Diff: 0 Page Ref: 327-336 Objective: (5.1) Solve Appe: Velocity, Distance, Flow 43 D Decenter: (5.3) Interpreting (Answer Values to Find Integral Diff: 0 Page Ref: 327-336 Objective: (5.1) Solve Appe: Velocity, Distance, Flow 43 D Decenter: (5.3) Interpreting (Answer Values to Find Integral Diff: 0 Page Ref: 345-336 Objective: (5.1) Solve Appe: Velocity, Distance, Flow	 Answer Key Testname: 155CH.5TST 202) D D: TCALC11W 5.3.5-4 Dif: 0 Page Ref: 35-334 Objective: (5.3) Find Area Between Curve and x-Axis 203) A D: TCALC11W 5.3.4-2 Dif: 0 Page Ref: 370-376 Objective: (5.5) Solve Initial Value Problem 204) B D: TCALC11W 5.4-2-2 Dif: 0 Page Ref: 370-376 Objective: (5.4) Differentiate Integral 205 C D: TCALC11W 5.3.4-2 Dif: 0 Page Ref: 378-385 Objective: (5.4) Differentiate Integral 205 C D: TCALC11W 5.3.4-3 Dif: 0 Page Ref: 378-385 Objective: (5.6) Find Area Enclosed by Curves Given Equations 206 D D: TCALC11W 5.3.1-5 Dif: 0 Page Ref: 345-334 Objective: (5.3) Express Limit of Remann Sums as Definite Integral 207 D D: TCALC11W 5.3.4-5 Diff: 0 Page Ref: 345-334 Objective: (5.3) Use Properties/Known Values to Find Integral 208 D D: TCALC11W 5.3.4-5 Diff: 0 Page Ref: 345-334 Objective: (5.3) Evaluate Definite Integral 209 C
JANSWEY Key Testmam: 155CH.5TST 19) A ID:TCALCIIW5.41-4 Diff: 0 Diff: 0 Page Ref: 338-366 Objective: (3.4) Evaluate Integral 10 C ID: TCALCIIW5.41-5 Diff: 0 11 Diff: 0 12 Diff: 0 13 FCALCIIW5.41-6 Diff: 0 14 Diff: 0 15 CALCIIW5.41-7 Diff: 0 16 Diff: 0 17 Diff: 0 19 Diff: 0 10 Diff: 0 10 Diff: 0 11 TCALCIIW5.12-1 Diff: 0 12 Diff: 0 13 TCALCIIW5.52-3 Diff: 0 14 Diff: 0 15 Teage Ref: 305-36 Dipetive: (3.9) Use Properties/Known Values to Find Integral 16 Diff: 0 17 Diff: 0 18 TCALCIIW5.32-3 Dipetive: (3.9) Use Properties/Known Values to Find Integral 17 Diff: 0 18 TCALCIIW5.32-3 Dipetive: (3.9) Use Properties/Known Values to Find Integral 19 Diff: 0 10 Teage Ref: 305-354 Dipetive: (3.9) Use Properties/Known Values to Find Integral 17 Teage Ref: 305-3	 Answer Key Testname: 155CH.5TST 202 D D: TCALC11W 5.3.5-4 Dif: 0 Page Ref: 35-334 Objective: (5.3) Find Area Between Curve and x-Axis 203 A D: TCALC11W 5.3.2-2 Dif: 0 Page Ref: 370-376 Objective: (5.5) Solve Initial Value Problem 204 B D: TCALC11W 5.4-2-2 Dif: 0 Page Ref: 378-386 Objective: (5.4) Differentiate Integral 205 C D: TCALC11W 5.3.2-4 Dif: 0 Page Ref: 378-385 Objective: (5.6) Find Area Enclosed by Curves Given Equations 206 D D: TCALC11W 5.3.1-5 Dif: 0 Page Ref: 378-385 Objective: (5.6) Find Area Enclosed by Curves Given Equations 206 D D: TCALC11W 5.3.1-5 Dif: 0 Page Ref: 345-334 Objective: (5.3) Express Limit of Remann Sums as Definite Integral 207 D D: TCALC11W 5.3.2-10 Dif: 0 Page Ref: 345-334 Objective: (5.3) Evaluate Definite Integral 208 D D: TCALC11W 5.3.4-5 Dif: 0 Page Ref: 345-334 Objective: (5.3) Evaluate Definite Integral 208 D D: TCALC11W 5.3.4-5 Dif: 0 Page Ref: 345-334 Objective: (5.3) Evaluate Definite Integral 209 C D: TCALC11W 5.3.4-3 Dif: 0 Page Ref: 358-366
Answer Key Testnam: 155CH.5TST 19) A M 101 M 111 M 1111 M 111 M <t< td=""><td> Answer Key Testname: 155CH.5TST 202 D D: TCALC11W 5.3.5-4 Dif: 0 Page Ref: 35-334 Objective: (5.3) Find Area Between Curve and x-Axis 203 A D: TCALC11W 5.3.5-2 Dif: 0 Page Ref: 370-376 Objective: (5.5) Solve Initial Value Problem 204 B D: TCALC11W 5.4-2 Dif: 0 Page Ref: 378-385 Objective: (5.4) Differentiate Integral 205 C D: TCALC11W 5.3.4-2 Dif: 0 Page Ref: 378-385 Objective: (5.4) Differentiate Integral 205 C D: TCALC11W 5.3.1-5 Dif: 0 Page Ref: 378-385 Objective: (5.6) Find Area Enclosed by Curves Given Equations 206 D D: TCALC11W 5.3.1-5 Dif: 0 Page Ref: 345-334 Objective: (5.3) Express Limit of Remann Sums as Definite Integral 207 D D: TCALC11W 5.3.2-10 Dif: 0 Page Ref: 345-334 Objective: (5.3) Express Limit of Remann Sums as Definite Integral 208 D D: TCALC11W 5.3.4-5 Dif: 0 Page Ref: 345-334 Objective: (5.3) Evaluate Definite Integral 209 C D: TCALC11W 5.3.4-5 Dif: 0 Page Ref: 358-366 Objective: (5.4) Differentiate Integral </td></t<>	 Answer Key Testname: 155CH.5TST 202 D D: TCALC11W 5.3.5-4 Dif: 0 Page Ref: 35-334 Objective: (5.3) Find Area Between Curve and x-Axis 203 A D: TCALC11W 5.3.5-2 Dif: 0 Page Ref: 370-376 Objective: (5.5) Solve Initial Value Problem 204 B D: TCALC11W 5.4-2 Dif: 0 Page Ref: 378-385 Objective: (5.4) Differentiate Integral 205 C D: TCALC11W 5.3.4-2 Dif: 0 Page Ref: 378-385 Objective: (5.4) Differentiate Integral 205 C D: TCALC11W 5.3.1-5 Dif: 0 Page Ref: 378-385 Objective: (5.6) Find Area Enclosed by Curves Given Equations 206 D D: TCALC11W 5.3.1-5 Dif: 0 Page Ref: 345-334 Objective: (5.3) Express Limit of Remann Sums as Definite Integral 207 D D: TCALC11W 5.3.2-10 Dif: 0 Page Ref: 345-334 Objective: (5.3) Express Limit of Remann Sums as Definite Integral 208 D D: TCALC11W 5.3.4-5 Dif: 0 Page Ref: 345-334 Objective: (5.3) Evaluate Definite Integral 209 C D: TCALC11W 5.3.4-5 Dif: 0 Page Ref: 358-366 Objective: (5.4) Differentiate Integral
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Jacobia Jacobia <td< td=""><td> Answer Key Testname: 155CH.5TST 202 D D: TCALC11W 5.3.5-4 Dif: 0 Page Ref: 35-334 Objective: (5.3) Find Area Between Curve and x-Axis 203 A D: TCALC11W 5.3.4-2 Dif: 0 Page Ref: 370-376 Objective: (5.5) Solve Initial Value Problem 204 B D: TCALC11W 5.4-2-2 Dif: 0 Page Ref: 378-386 Objective: (5.4) Differentiate Integral 205 C D: TCALC11W 5.3.4-2 Dif: 0 Page Ref: 378-385 Objective: (5.4) Differentiate Integral 205 C D: TCALC11W 5.3.1-5 Dif: 0 Page Ref: 378-385 Objective: (5.6) Find Area Enclosed by Curves Given Equations 206 D D: TCALC11W 5.3.1-5 Dif: 0 Page Ref: 345-334 Objective: (5.3) Express Limit of Remann Sums as Definite Integral 207 D D: TCALC11W 5.3.4-5 Dif: 0 Page Ref: 345-334 Objective: (5.3) Evaluate Definite Integral 208 D D: TCALC11W 5.3.4-5 Dif: 0 Page Ref: 358-364 Objective: (5.4) Differentiate Integral 209 C D: TCALC11W 5.4.4-10 Dif: 0 Page Ref: 358-366 Objective: (5.4) Differentiate Integral 210 B D: TCALC11W 5.4.4-10 Dif: 0 Page Ref: 358-366 Objective: (5.4) Differentiate Integral </td></td<>	 Answer Key Testname: 155CH.5TST 202 D D: TCALC11W 5.3.5-4 Dif: 0 Page Ref: 35-334 Objective: (5.3) Find Area Between Curve and x-Axis 203 A D: TCALC11W 5.3.4-2 Dif: 0 Page Ref: 370-376 Objective: (5.5) Solve Initial Value Problem 204 B D: TCALC11W 5.4-2-2 Dif: 0 Page Ref: 378-386 Objective: (5.4) Differentiate Integral 205 C D: TCALC11W 5.3.4-2 Dif: 0 Page Ref: 378-385 Objective: (5.4) Differentiate Integral 205 C D: TCALC11W 5.3.1-5 Dif: 0 Page Ref: 378-385 Objective: (5.6) Find Area Enclosed by Curves Given Equations 206 D D: TCALC11W 5.3.1-5 Dif: 0 Page Ref: 345-334 Objective: (5.3) Express Limit of Remann Sums as Definite Integral 207 D D: TCALC11W 5.3.4-5 Dif: 0 Page Ref: 345-334 Objective: (5.3) Evaluate Definite Integral 208 D D: TCALC11W 5.3.4-5 Dif: 0 Page Ref: 358-364 Objective: (5.4) Differentiate Integral 209 C D: TCALC11W 5.4.4-10 Dif: 0 Page Ref: 358-366 Objective: (5.4) Differentiate Integral 210 B D: TCALC11W 5.4.4-10 Dif: 0 Page Ref: 358-366 Objective: (5.4) Differentiate Integral
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213)	C ID: TCALCIIW 52.3-9	
	Diff U Page Kef: 337-344 Objective: (5.2) Construct Rectangles for Riemann Sum	
214)	B 10: TCALCI1W 53.6-7 Diff: 0 Page Ref: 345-354	
215)	Objective: (5.3) Find Average Value by Geometric Method B	
	ÎD: TCALCHW 54.3-2 Diff: 0 Page Ref: 358-366 Objetivite: (54) Find Area Between Curve and x-Axis	
216)	C ID: TCALC11W 5.42-4	
	Diff: 0 Page Ref: 358-366 Objective: (5.4) Differentiate Integral	
217)	C ID: TCALCHW 5.1.1-8	
	Objective: (5.1) Approximate Area Using Finite Sum	
218)	A ID: TCALC11W 5.6.3-8	
	Objective: (5.6) Find Area Enclosed by Curves Given Equations	
219)	B ID: TCALC11W 5.4.2-5	
	Diff: 0 Page Ref: 358-366 Objective: (5.4) Differentiate Integral	
220)	D ID: TCALC11W 5.5.4-6	
	Diff: 0 Page Ref: 370-376 Objective: (5.5) Solve Initial Value Problem	
221)	B ID: TCALC11W 553-6	
	Diff: 0 Page Ref: 370-376 Objective (55) Integrate by Using Sequences of Substitutions	
222)		
	DF ICALCHW 3:44-5 Diff: 0 Page Ref: 358-366 Objective: (5): Find Area of Shaded Region on Graph	
223)	A ID: TCALC11W 542-6	
	Diff: 0 Page Ref: 358-366 Objective: (5.4) Differentiate Integral	
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D) TCALC11W 5.5.1-7
 Diff: 0 Page Ref: 370-376
 Objective: (5.5) Evaluate Integral Using Suggested Substitution

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Answer Key Testname: 155CH.5TST

- 224) A D: TCALC11W 5.1.2-7 Diff: 0 Page Ref: 327-335 Objective: (5.1) Solve Apps: Velocity, Distance, Flow
- 225) B ID: TCALC11W 5.5.5-2 Diff: 0 Page Ref: 370-376 Objective: (5.5) Solve Velocity / Acceleration Problem
- 226) D ID: TCALC11W 5.52-6 Diff: 0 Page Ref: 370-376 Objective: (5.5) Use Substitution Rule to Evaluate Integral
- 227) C ID: TCALC11W 5.4.1-1 Diff: 0 Page Ref: 358-366 Objective: (5.4) Evaluate Integral
- 228)
 D. ID: TCALCHW 5.6.4-6

 Diff: 0
 Page Ref: 378-385

 Objective: (5.6) Know Concepts: Substitution and Area Between Curves
- 229) B ID: TCALC11W 5.6.1-6 Diff: 0 Page Ref: 378-385 Objective: (5.6) Use Substitution Formula to Evaluate Integral
- 230) B ID: TCALCHW 54.7-2 Diff: 0 Page Ref: 358-366 Objective: (5.4) Draw Conclusion about Motion from Graph
- 231) C ID: TCALCUIW 5.4.6-1 Diff: 0 Page Ref: 358-366 Objective: (5.4) Solve Apps: Fundamental Theorem of Calculus
- 232) A ID: TCALCI1W 5.3.4-6 Diff: 0 Page Ref: 345-354 Objective: (5.3) Evaluate Definite Integral
- 233) A ID: TCALC11W 5.2.1-9 Diff: 0 Page Ref: 337-344 Objective: (5.2) Write Sum and Evaluate
- 234) C DJ: TCALC11W 5.5.5-3 Diff: 0 Page Ref: 370-376 Objective: (5.5) Solve Velocity/ Acceleration Problem

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Answer Key Testname: 155CH.5TST

- 246) B ID: TCALC11W 5.5.3-1 Diff: 0 Page Ref: 370-376 Objective: (5.5) Integrate by Using Sequences of Substitutions
- 247) C D: TCALCI1W 5.12-9 Diff: 0 Page Ref: 327-335 Objective: (5.1) Solve Apps: Velocity, Distance, Flow 248) D D: TCALCI1W 5.3.4-10
- ID: TCALC11W 5.3.4-10 Diff: 0 Page Ref: 345-354 Objective: (5.3) Evaluate Definite Integral
- 249) D ID: TCALC11W 5.6.1-7 Diff: 0 Page Ref: 378-385 Objective: (5.6) Use Substitution Formula to Evaluate Integral
- 250) A ID: TCALC11W 5.3.3-2 Diff: 0 Page Ref: 345-354 Objective: (5.3) Use Area to Evaluate Integral
- 251) A ID: TCALC11W 5.1.1-9 Diff: 0 Page Ref: 327-335 Objective: (5.1) Approximate Area Using Finite Sum
- 252) C ID: TCALC11W 5.2.2-5 Diff: 0 Page Ref: 337-344 Objective: (5.2) Find Value Using Algebraic Rules
- 253) B ID: TCALC11W 5.6.4-7 Diff: 0 Page Ref: 378-385 Objective: (5.6) Know Concepts: Substitution and Area Between Curves
- 254) A ID: TCALC11W 5.4.5-4 Diff: 0 Page Ref: 358-366 Objective: (5.4) Solve Initial Value Problem
- 255) A ID. TCALCIIW 5.4.7-1 Diff: 0 Page Ref: 358-366 Objective: (5.4) Draw Conclusion about Motion from Graph
- 256) D ID: TCALCI1W 5.6.2-5 Diff: 0 Page Ref: 378-385 Objective: (5.6) Find Area of Shaded Region

Answer Key Testname: 155CH.5TST 257 C D: TCALCIIW 5.2.1-10 Diff: 0 Page Ref: 337-344 Objective: (5.2) Write Sum and Evaluate 258 B D: TCALCIIW 5.5.2-4 Diff: 0 Page Ref: 370-376 Objective: (5.5) Use Substitution Rule to Evaluate Integral 259 B D: TCALCIIW 5.2-8 Diff: 0 Page Ref: 370-376 Objective: (5.5) Use Substitution Rule to Evaluate Integral 260 B D: TCALCIIW 5.2.3-6 Diff: 0 Page Ref: 337-344 Objective: (5.2) Construct Rectangles for Riemann Sum 261 B D: TCALCIIW 5.3.1-7 Diff: 0 Page Ref: 337-354 Objective: (5.3) Express Limit of Riemann Sums as Definite Integral 262 B D: TCALCIIW 5.6.3-1 Diff: 0 Page Ref: 378-385 Objective: (5.6) Find Area Enclosed by Curves Given Equations 263 D DI: TCALCIIW 5.6.3-9 Diff: 0 Page Ref: 378-385 Objective: (5.6) Find Area Enclosed by Curves Given Equations

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264) B D: TCALCIIW 5.5.4-1 Diff: 0 Page Ref: 370-376 Objective: (5.5) Solve Initial Value Problem