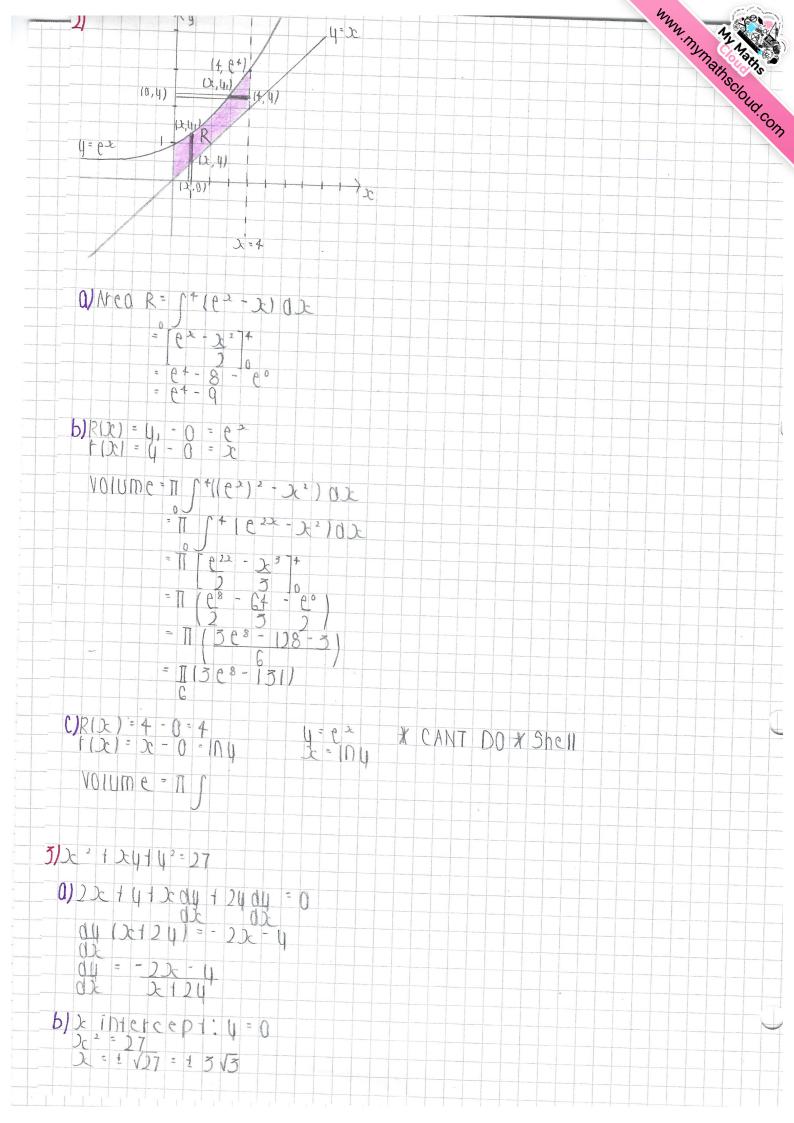
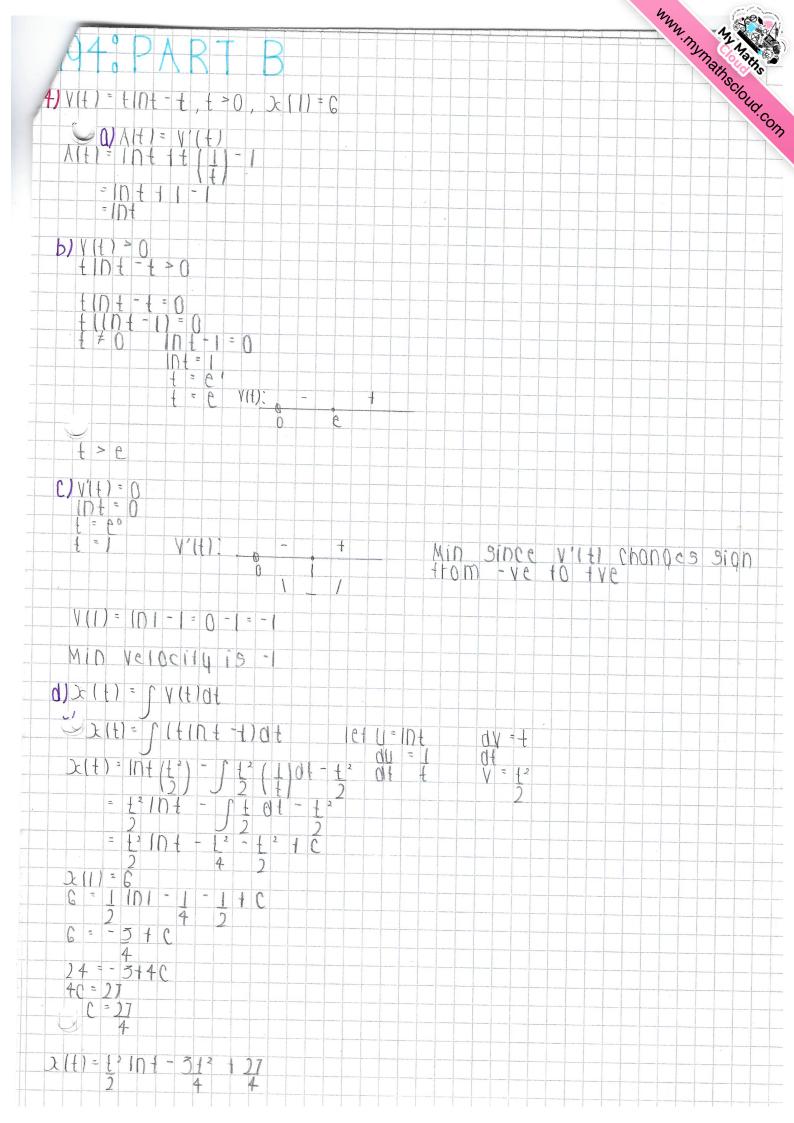
			+	hy	
194° P	ART	$A \vdash \vdash$		W. My	213
$f(\lambda) = 5\lambda$	4 + 2 3 - 2) $)$ $)$ $)$ 2			Sec.
					COLUC
f'(2) = 121	$1 = 12 c^{3} 1$ $2^{5} 1 + 3 (2^{2})$	32 ² -422 1-42(2)=12	2(8) + 3(4) - 84 = 24		
Equation	Of TONG	cnt:			
(1 - (-28) = 1 + 28 = 24)	24(2-2)' 2-48				
$\dot{y} = -24c$	- 76				
b) $f'(x) = 0$ (2,); $f'(x) = 0$	$\chi^2 - 4 \chi \chi = ($				
<u>5</u> <u>2</u> (4 <u>2</u> ²)	x + 12 = 14 = (
$\frac{142}{2}$		4 = 0			
	x^{2} , $\frac{1}{4}$	<u>/</u> -			
f'(x):	- +	- +			
Rel. Mín	$) \bigcirc \chi = -2$	$2, \lambda = \frac{7}{4}$			
f(-2) = 5(-2)	-2) + + (-2) =				
			- 44		
f(7/4) = 0	5 (7/4) 4 + (7/	14)3 - 21(714)	2 = - 35.457		
Since fi	1)21-100 f(0F 2-1100			
ABSOLUTO	2.min=-4	+4			
	362246				
+"/k!=	= 0 Dc = 42 = 0				
GR24R-)			
f"()c);		Ŧ			
	-7/6				
Pts. Of	inflection	1-=5 +0 0	, X=1 Since f'	(x) changes from	CONC
UP TO C	oncove do		E=7 and conc	ave down to concov	
)			c - 7 ONO CONC		

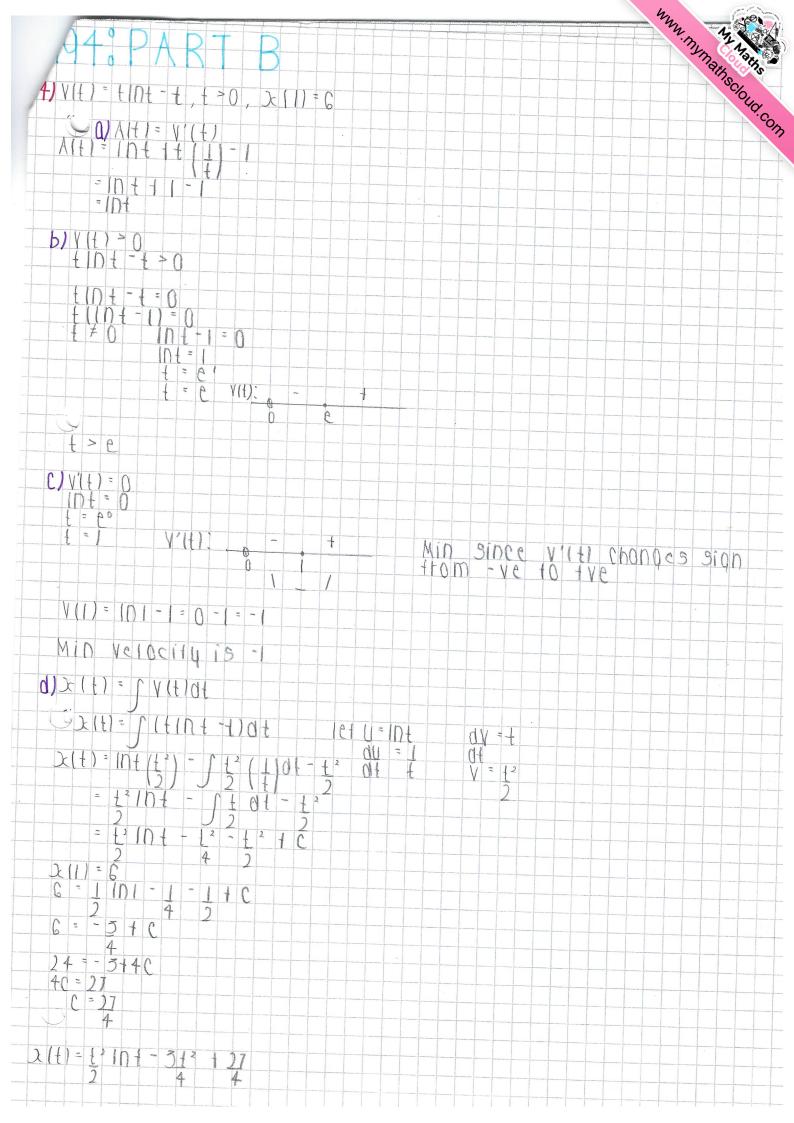


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at (5 V3, 0):	MMM. Mymainscioud.com
$310pc = -6\sqrt{3} - 0 = -2$ $3\sqrt{3} + 0$	althscip.
-44	YUG.COM
$0+(-3\sqrt{3},0)$:	
$SIOPE = E\sqrt{3} - 0 = -2$ -3 $\sqrt{3}$ +0	
L'ADDREDTO DIE POTOLICI	
Qif Vettical, Slope is Undefined $2 \pm 24 = 0$ 2 = -24	
$\begin{array}{c} (-2) 1 1^{2} + (-2) 1 (1 + 1)^{2} = 27 \\ 4 1 1^{2} - 2 1 1 + 1 1^{2} = 27 \\ 3 1 1^{2} = 27 \\ 1 1^{2} = 9 \\ - 1 1^{2} = 9 \\ - 1 1^{2} = 9 \end{array}$	
$\chi = -2\psi$	
$\lambda = -2(3) = -6$, $\lambda = -2(-3) = 6$	
(-6, 3), (6, -3)	



5)	1/4
00 = 6	WWW. TRY NATIS
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	Jud. Con
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$\begin{array}{c} \textbf{O} \\ \textbf{W} \\ \textbf{W} \\ \textbf{W} \\ \textbf{O} \\ \textbf{H} \\ $	
D=St AI AI	
dt dt	
$\frac{dp}{dt} = \frac{8}{3}$	
= 24 inchesisee	
b) when $A = 25\pi$	
$11t^2 = 25T$ $t^2 = 25T$	
h=5	
$\frac{\text{Areo Circle = Tf^2}}{\text{Areo Square = 4f^2}}$	
$A_{2} = 4f^{2} - \Pi f^{2}$	
$\frac{dA_2}{dt} = \frac{8fdf}{dt} = 2\pi fdf$	
$\begin{array}{c} 01 \\ 01 \\ 01 \\ 01 \\ 01 \\ 01 \\ 01 \\ 01 $	
= 120 - 30	
$GF(\chi) = \int^{\chi} S(n)t' dt + OF 0 \leq \chi \leq 3$	
$a)F(1) = \int S(n(t^2)dt)$	
8	
)(4)	
$= \frac{1}{8} \left[\frac{0}{2} \left(\frac{1}{10} \right) + \frac{1}{2} \frac{1}{10} \left(\frac{1}{10} \right) + \frac{1}{2} \frac{1}{10} \frac{1}{10} \frac{1}{10} + \frac{1}{2} \frac{1}{10} \frac$	
$= 0.314 \pm 0.0.0$	
b) increasing when $F'(\lambda) \ge 0$ $0 \le \lambda \le q$ $F'(\lambda) \ge d Sin(t^2) = Sin(\lambda^2)$ $0 \le \lambda \le 3$	
$SID(2^2) > 0$ $2^2 = 0, TI, 2TI, = DTI$	
$\chi = 0, \sqrt{\pi}, \sqrt{2\pi}, F'(\chi), + - +$	
increasing on $[0, \sqrt{\pi}), (\sqrt{2\pi}, 5]$	

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-5) de = 6	MMM. My My Marins
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$\begin{array}{c} \textbf{0} \\ \textbf{We} \\ \textbf{Want} \\ \textbf{dt} $	
$\frac{10 \pi C}{10} = \frac{10 \pi C}{10$	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	
dp = 8(2) $dr = 3$	
= 24 inches/sec	
b) when $A = 25\Pi$ $\Pi t^2 = 25\Pi$	
$k^2 = 25$ k = 5	
AFPO CIFCIP = TF2	
Area circle = TIF^2 Area square = $4F^2$	
$A F = 0 C = 4 F^{2} - \pi F^{2}$ $A_{2} = 4 F^{2} - \pi F^{2}$	
0! 0! 0! 0! 0! 0! 0! 0! 0! 0! 0! 0! 0! 0	
$\frac{dA_2}{dt} = 8FdF - 2\Pi FdF$ $\frac{dA_2}{dt} = 8(5)(\frac{3}{10}) - 2\Pi(5)(\frac{3}{10})$ $= 120 - 30$	
$GF(\chi) = \int^{\infty} S(n(t')) dt + f(0f) 0 \leq \chi \leq 3$	
$\mathbf{a} = \mathbf{f}^2 \mathbf{s} + \mathbf{h} \mathbf{t}^2 + \mathbf{h} $	
6	
)(4)	
$= \frac{1}{8} \left[\frac{1}{2} (\frac{1}{10} + \frac{1}{10}) + \frac{1}{2} \frac{1}{14} + \frac{1}{2} \frac{1}{10} \frac{1}{10} + \frac{1}{2} \frac{1}{10} \right]$	
$= 0.314 \pm 0.3.0.p.$	
b) increasing when $F'(\lambda) \ge 0$ $0 \le \lambda' \le q$ $F'(\lambda) \ge 0$ $Sin(\xi^2) = Sin(\lambda^2)$ $0 \le \lambda \le 3$	
$SiD(2^2) > 0$	
$2^{2} = 0, \Pi, 2\Pi, = \Pi \Pi$	
$\chi = 0, \sqrt{\pi} \cdot \sqrt{2\pi} \cdot \frac{F'(\chi)}{F'(\chi)} + \frac{1}{2} - \frac{1}{2}$	
Ο	
increasing on $[0, \sqrt{\pi})$, $(\sqrt{2\pi}, 5]$	



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$\frac{1}{2}$		M.M.	1 12 1
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			50m
$O W C W C D + O D C = 2 \Pi F$			
D=84			
O'H NH O'H O'H	· · · · · · · · · · · · · · · · · · ·		
$\frac{dp}{dt} = 8 \begin{pmatrix} 3 \\ 1 \end{pmatrix} \qquad \qquad$			
= 24 Inches/see			
b when $A = 25\pi$			
$\Pi F^2 = 25T$			
$F^{2} = 25$ $F^{2} = 5$			
Area circle = πr^2 Area square = $4r^2$			v
Area square= 4+2			
$\begin{array}{c} Afe \ 0 & enclose \ 0 = 4f^2 - \Pi f^2 \\ A_2 = 4f^2 - \Pi f^2 \end{array}$			
$A_2 = 4t^2 - \Pi t^2$ $dA_2 = 8t dt - 2\Pi t dt$			
$= 8(5)(\frac{5}{1}) - 2\Pi(5)(\frac{5}{1})$			
= 120 = 30			
$\frac{1}{2}F(\chi) = \int^{\chi} S(D(t^{4}) dt) + f(D(t) - \chi \leq 3)$			
$Q[F(I)] = \int S(D(t^2)dt)$			
= 1 - 0 F(0) + 2 F(0, 25) + F(0, 5) + F(0, 75) + F(1) = 0			
$= \frac{1}{1} \left(\frac{0}{2} (\frac{1}{2}) \frac{1}{16} + \frac{1}{2} \frac{1}{16} \frac{1}{14} + \frac{1}{2} \frac{1}{16} \frac{1}{16} + \frac{1}{2} \frac{1}{16} \frac{1}{16} \right)$			
= 0. 314 10 3.0.p.			
b) increasing when $F'(\lambda) \ge 0$ $0 \le \lambda \le q$ $F'(\lambda) \ge d'sin(t^2) = sin(\lambda^2)$ $0 \le \lambda \le 3$			
$SiD(\lambda^2) > 0$			
$\chi^2 = 0, \pi, 2\pi, \dots = n\pi$			
$\lambda = 0, \sqrt{\pi}, \sqrt{2\pi}, \frac{F'(\lambda)}{F'(\lambda)}, \frac{1}{T} = \frac{1}{T}$			
increasing on $(0, \sqrt{\pi}), (\sqrt{2\pi}, 5)$			

