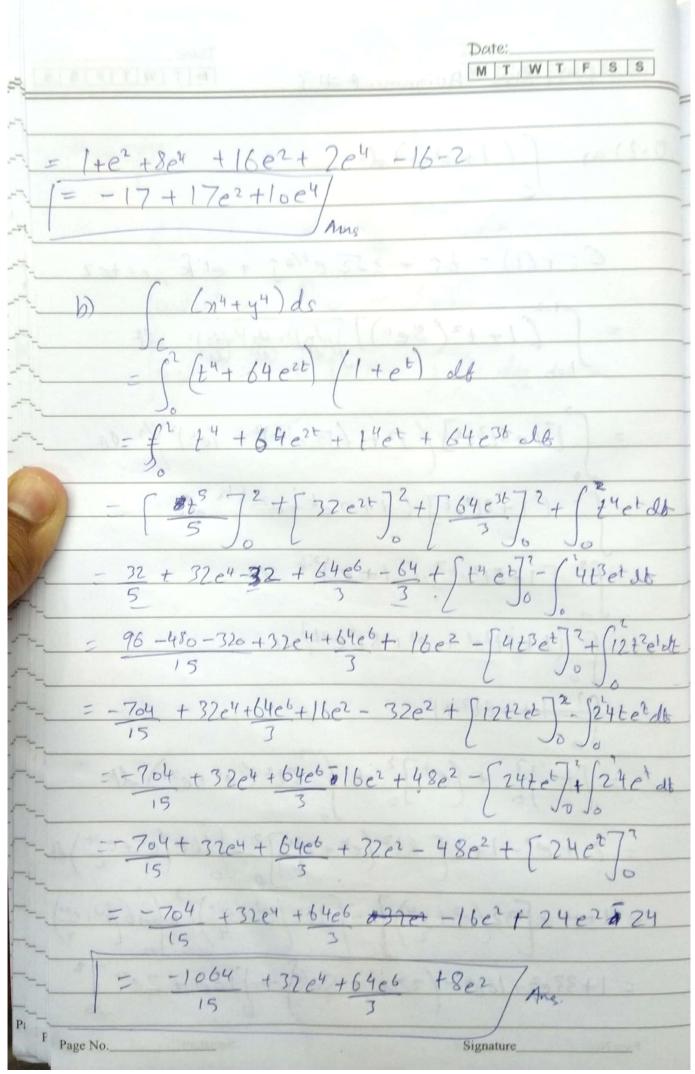
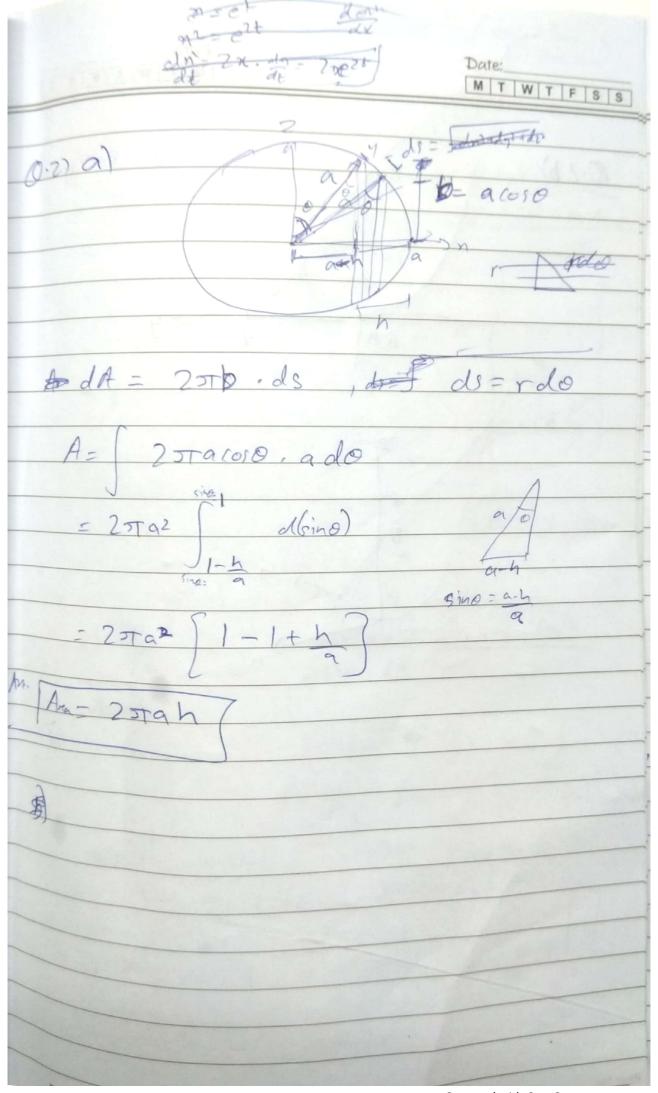
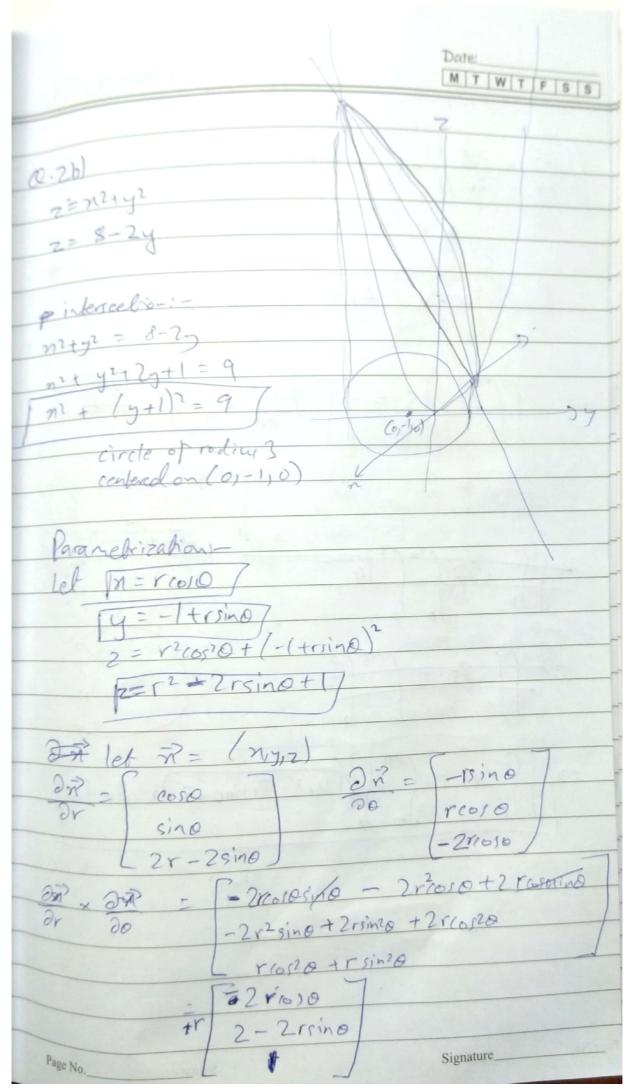
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PHYS 2155 Arrignment #73	M T W T F S S
(1) - ((1+ m2 m2) do	
0.2) a) (1+ 22 y2) ds	
(- 11) - 10 , 25 2t/20	1
C: r(t) = tî + 252 et/2ĵ +	erk, oztez
(t=2	11
$= \int_{t=0}^{t=2} \left[1 + t^2 \left(8e^{t}\right)\right] \frac{\left dn\right ^2 + \left dn\right }{\left dt\right }$	(dt)2 alt
-t=o	FA LANGUE
$= \int_{0}^{\infty} \left[1 + 8t^{2}e^{t}\right] \left(12 + \left(57 e^{t/2}\right)^{2}\right)$	+ (e+) 2 da
= [2 [1+8t2et] (1+2et+e2t)	1/2 0/2
= [2 [1+8+2et] (1+et)2.x dt	F 15 - 15 - 15 - 15 - 15 - 15 - 15 - 15
	3
= [1 [1+8t2et + et + 8t2e2t] dt	oli - Jul - Ale
	21/2/15
= f? + 8t2+1 = 511 11 11 11 11 11 11 11 11 11 11 11 11	V. CT V. A. V.
Jo	27
$= [t]^{2} + [e^{2}]^{2} + [gt^{2}]$	(ettert) dt
30	2
$= 2 + e^{2} - 1 + \left[8t^{2} \left(e^{t} + e^{2t} \right)^{2} \right]$	-) 16t (c+e2t) dt
$= 1 + e^{2} + \left[\frac{32}{e^{2}} + e^{4} \right] - \left[\frac{16t}{e^{t}} \right]$	+ e2t) + (416 let + e2t)
$= 1 + 33e^{2} + 16e^{4} - \left(32\dot{e}^{2} + 8e^{4}\right) +$	1000
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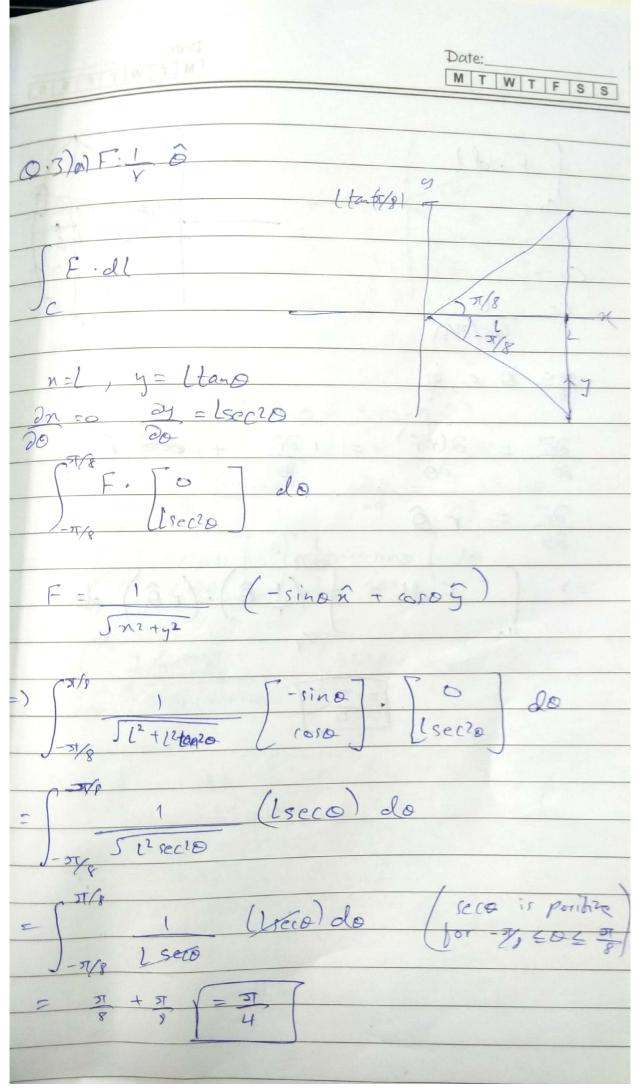


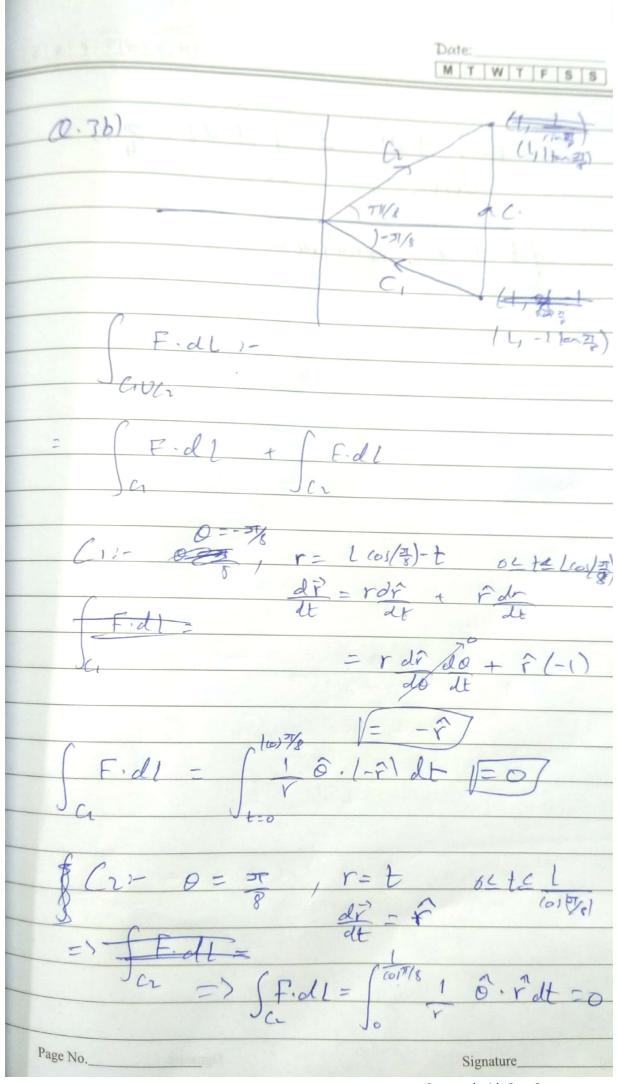
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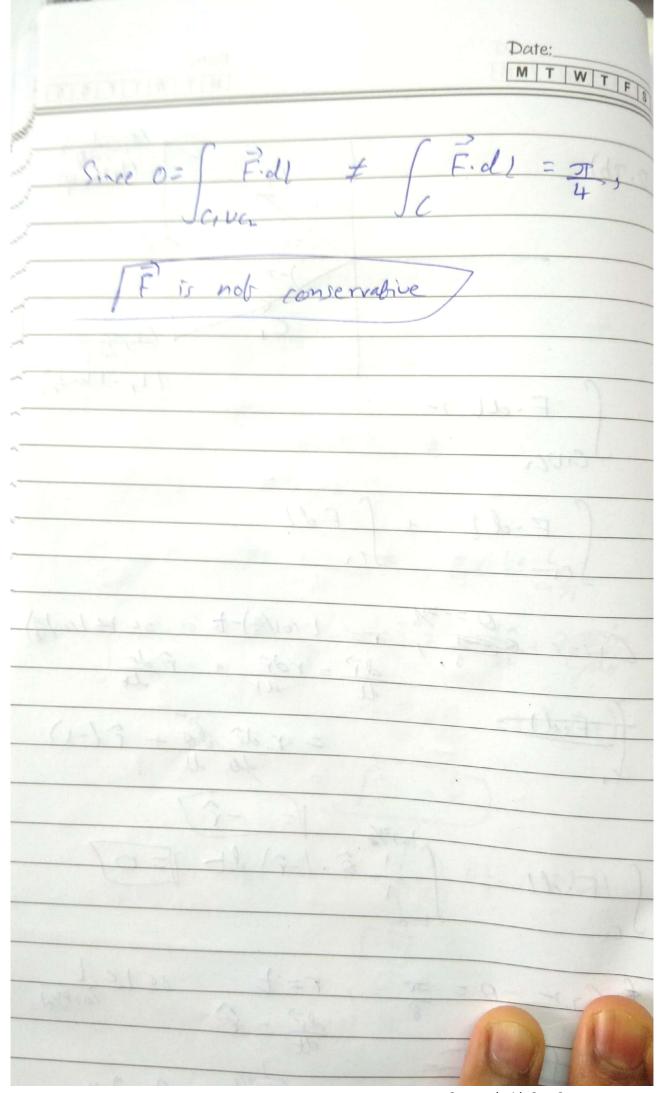


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