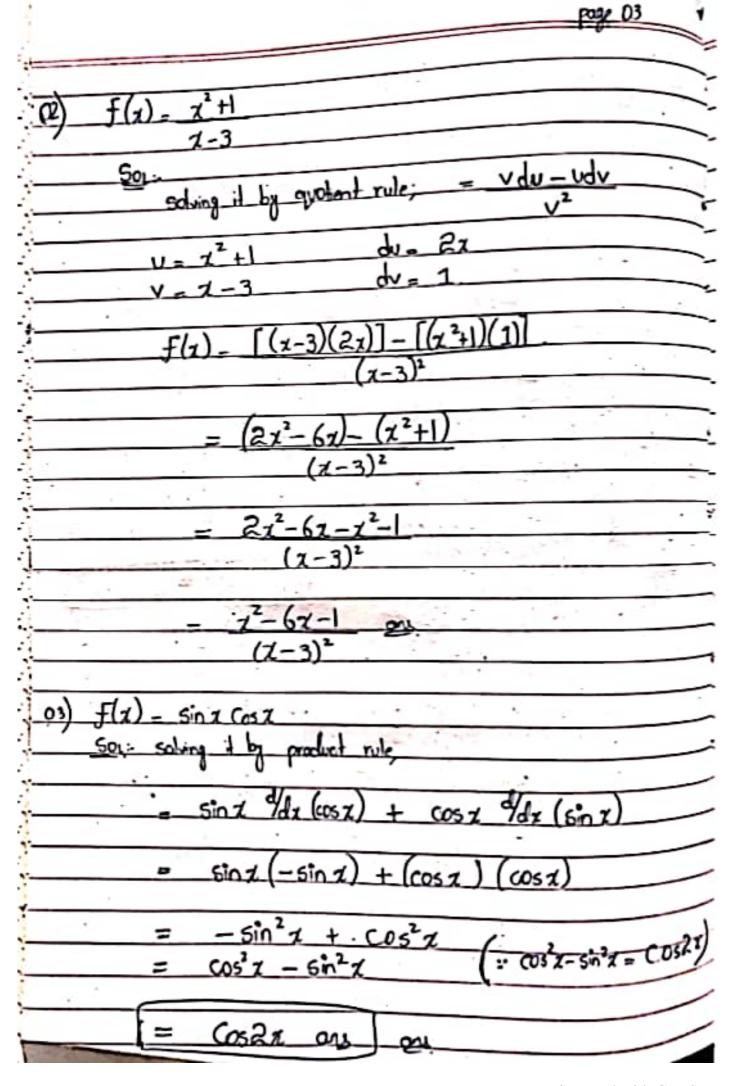
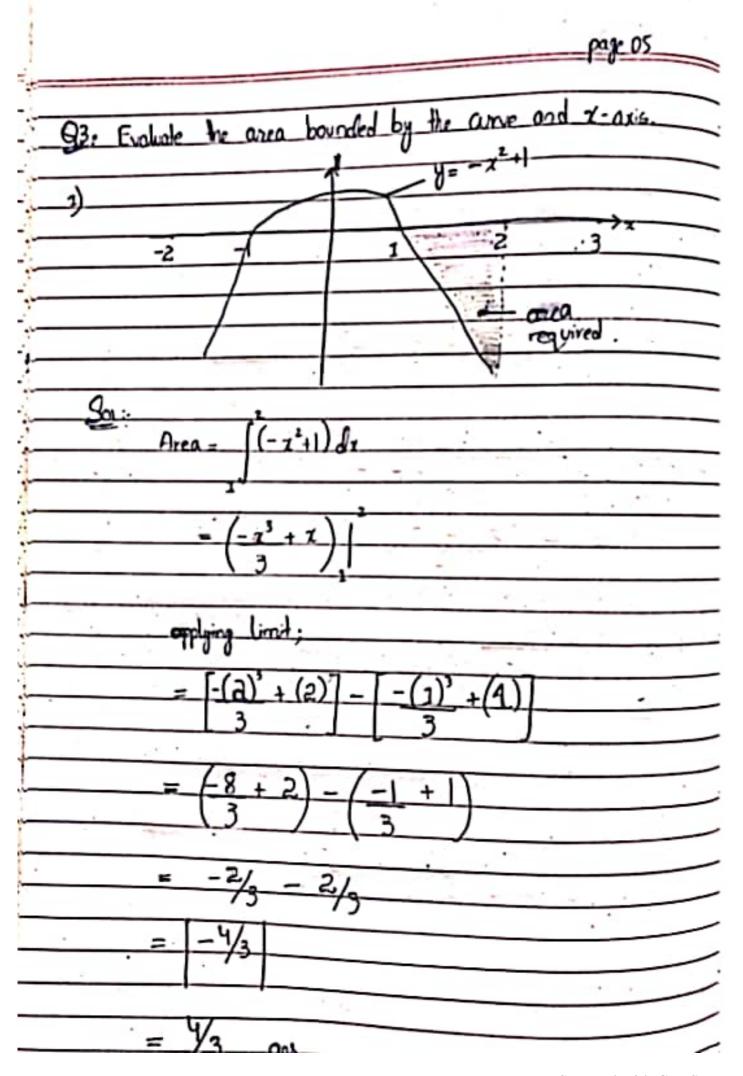
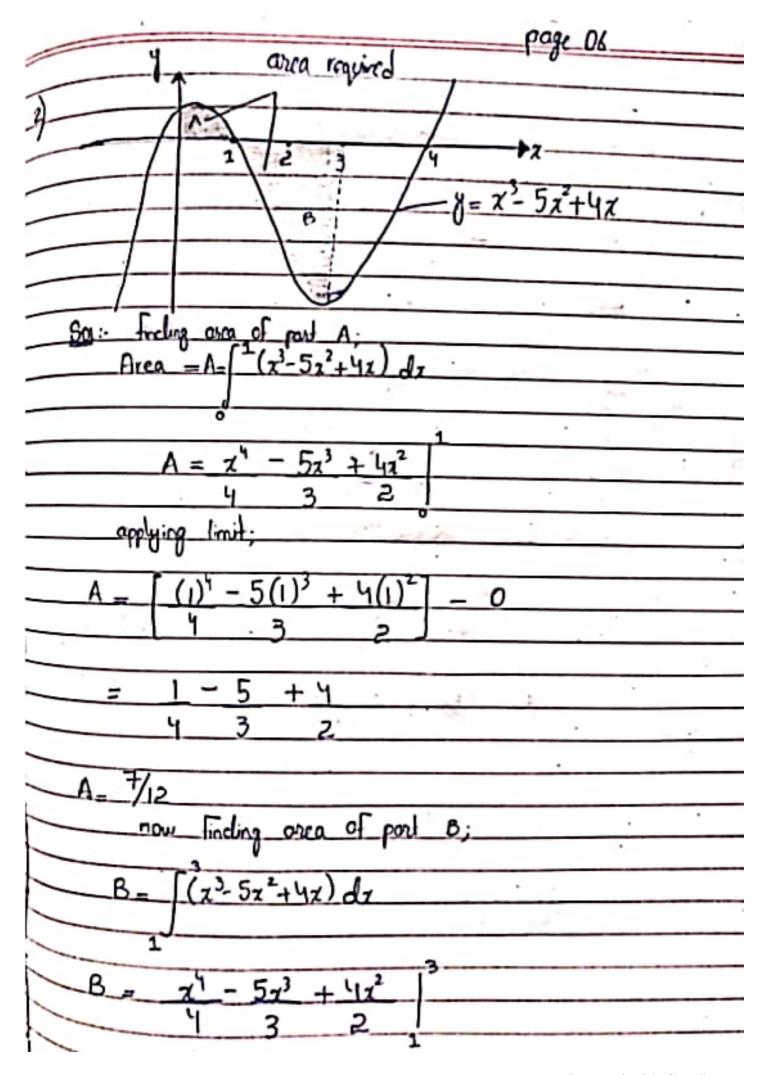
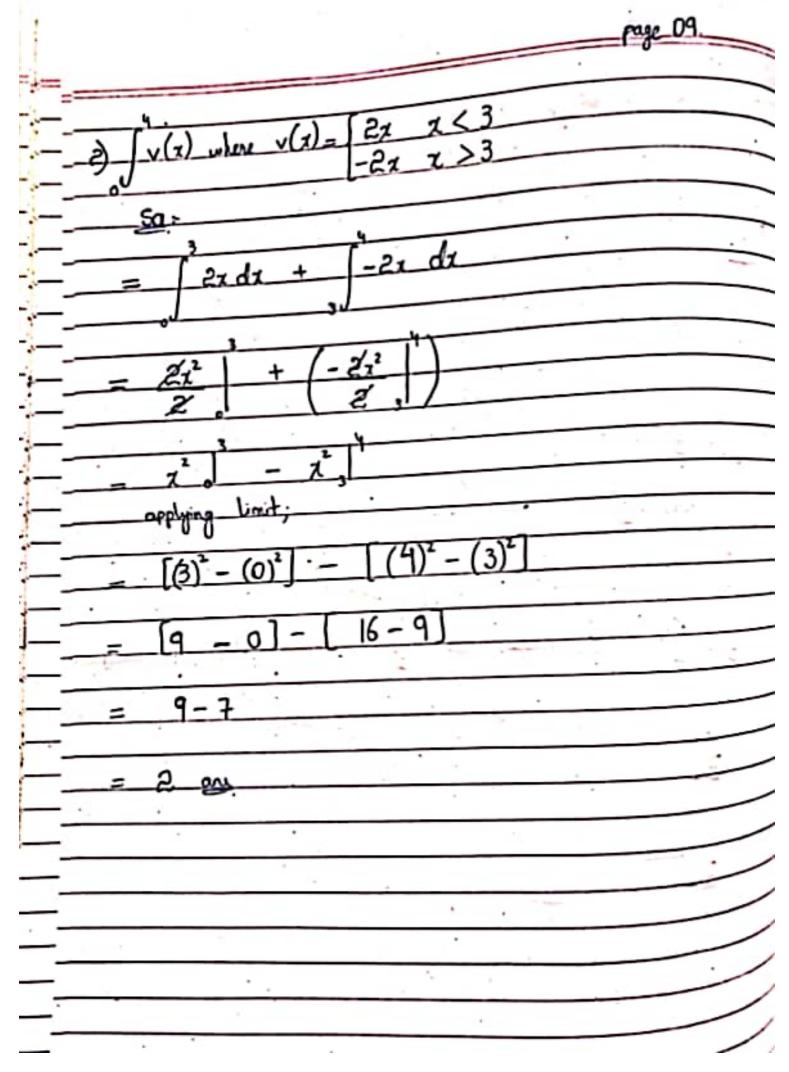
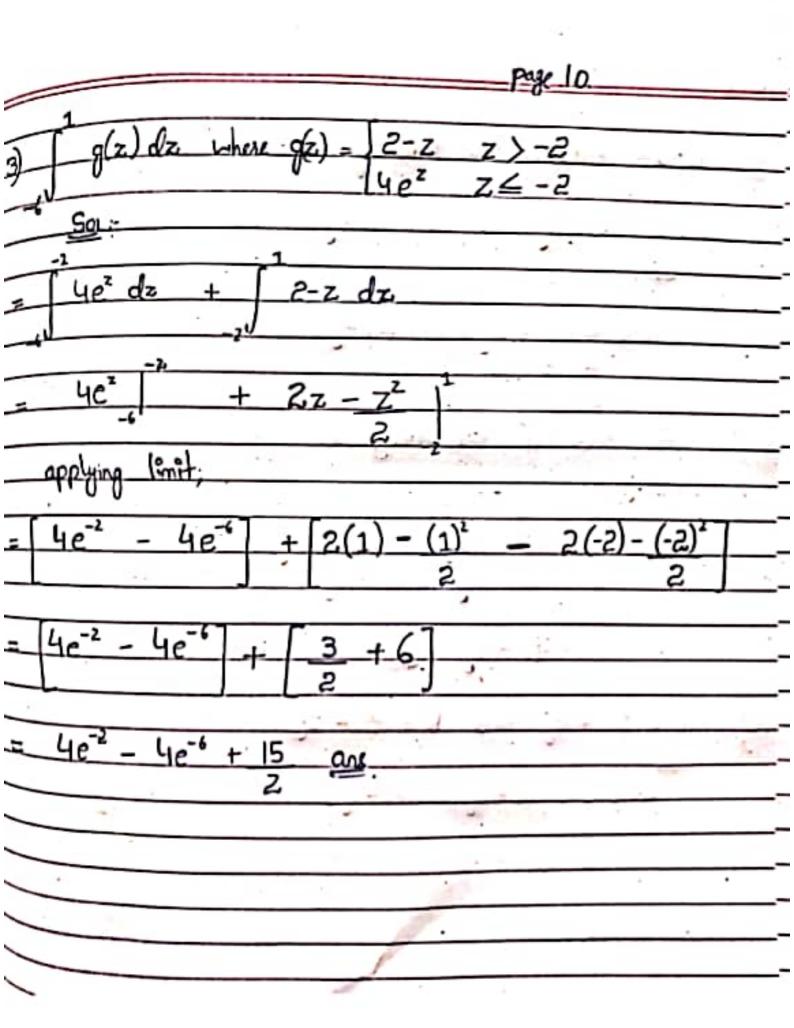
15933	ASSIGNMENT 2				PAGE 1	
R) Cralvate the follow	ing limit	by	L'Hospital	rule		
1) Lim 3x2+x+4 5x2+8x						
Soli	·					
$\lim_{x \to \infty} d/dx (3x^2 + x)$	+4)			3		
x→00 d/dx (5x2+	-8×)		•	,		
V jm				,		
x (im 6x+1	<u> </u>					
			, : ,			
lim en 6						
= 3 Ay					-	
$\frac{e^{x}-1-x-x^{2}/2}{x\to0}$						
Sol:						
lim d/dx (ex-1x-	x1/2)					
$\frac{d}{dx}\left(x^{3}\right)$ $\lim_{x\to\infty}e^{x}-1-x$						
x->0 3x2						
	•					











+ 2j + 3k and b = 4i + 5j + 6k, also evaluate 4 + 10 + 18 -i = 2j = 3k - 12j +- 15j - 18K -13: -17; -21K ans