	SAP ID - 60004200132
	Name - Ayush Jain
	DATE:
18/06/21	Engineering mathematics
	Tutorial 2: Double Integration.
	The state of the s
1)	Evaluate x2 dxdy where R is the region in the
	R
	first quadrant bounded by the hyperbola xy=18 and
	the lines y=x, y=0 and x=8
2	
	2, 27, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7
	72/2
2>	Evaluate [re- 32/02 cososino dods over the upper half
	of the circle r= 20 cos o.
3>	Change the order of integration and evaluate
	2 72
	$\int_{2x}^{2} \int_{y^{4}-4x^{2}}^{y^{2}} dx dy$
	0 12x 1y4-4x2
	XISE 3
-	
	change to polar coordinates and evaluate I 1 2x dy
4)	change to polar coordinates and evaluate) Try
	where R is the region of integration bounded by x2+y2-x=0 and y ≥0
	x2+y2-x=0 and y ≥0
	D Y
	48 8XL 31 8884 3 4
	W. Y.
	SUP 2731- PS) 8 1 HS 2 (C22) 4 (P)









