	SAP ID - 6000 4200 132 Name - Ayush Jain Div - J1 DATE:
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	Intorial 4: Application of multiple integrals
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1>	Find by double integration the area common to the
	circle x2+42=10 and the parabola y= 9x
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2>	Find by double integration the area inside the circle
	r=asino and outside the cardioid r=a(1-coso)
	101/100 philos pro (8-11) for (8.11).
3>	Find the volume bounded by y= 40x and x= 40y and
	the planes z=0 and z=3.
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4>	Find by double integration the mass of a thin plate
	bounded by y2=x and y=x3 if the density at any
	point varies as the square of its distance from the
	origin.
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