$\frac{0.1}{2} \iint xy^5 \, dx \, dy \quad \text{where } R = \{(x,y): 0 \le x \le 1, x \le y \le 1-x\}$

 $0.2 \quad \text{a } \int_{0}^{2} J_{\alpha^{2}-x^{2}-y^{2}}^{2} dxdy. \quad \text{Evaluate the integral.}$ $0.3 \quad \text{If } y dxdy \quad \text{over the circle } x^{2} + y^{2} \leq a^{2}.$

 $\boxed{0.4} \quad \iiint y \, dx \, dy \quad \text{where} \quad \boxed{0} = \sqrt{\frac{x^3}{a^3} + \frac{y^3}{b^2}} \leq 1 \quad \text{and} \quad x \geq 0 \quad , \quad y \geq 0$

0.5 $\iint xy(x+y) dxdy$ where R is the region bounded by $y=x^2$ and y=x.

0.6 | 1-x²-y² dzdydx

1-x²-y²-z²

0.7 Find the area of the region bounded by x=0, y=0, $x^2+y^2=1$, $y=\frac{1}{2}$

8.8 find the area of the Region bounded by the parabola ya= 4 are and the line x= 2a in the first quadrant.

Quadrant.

0.9 Evaluate [] log z dzdxdy.

Q.10 Evaluate III (1x+my+nz) doedydz over the sphere