

So So y3 sen(x3) dy dx  $\int_0^1 \frac{\operatorname{sen}(x^3)}{y^4} \frac{y^4}{y^4} = \frac{1}{2} \frac{dx}{x^4}$ 5'0 sen(x3). x2 dx 1 1 5 sen(x3) 3x2 dx 12 So sen u chu  $\frac{1}{12} \left(-\cos(x^3)\right)^{1}$  $\frac{1}{12} \left[ - \cos (1) + \cos (0) \right]$ 1 [ 1 - cos(1)]  $\int_{0}^{1} \int_{y^{2}}^{1} y^{3} \operatorname{sen}^{3} dxdy = \frac{1 - \cos(1)}{12}$