

Revolve region bounded by y = 2x and  $y = x^2$ Around  $x - \alpha xis$ .  $\pi \int_{a}^{b} (r_0^2 - r_1^2) dx$  $\pi \int_{0}^{2} \left[ (2x)^{2} - (x^{2})^{2} \right] dx$  $\pi \int_{S} (4x^2 - x^4) dx$  $\pi \left[ \begin{array}{c} \frac{4}{3}x^3 - 1x^5 \\ \frac{1}{5}x^5 \end{array} \right]^2$  $T \left[ \frac{32}{3} - \frac{32}{5} - (0-0) \right]$ 160 - 96 15 15 = 64T Units





