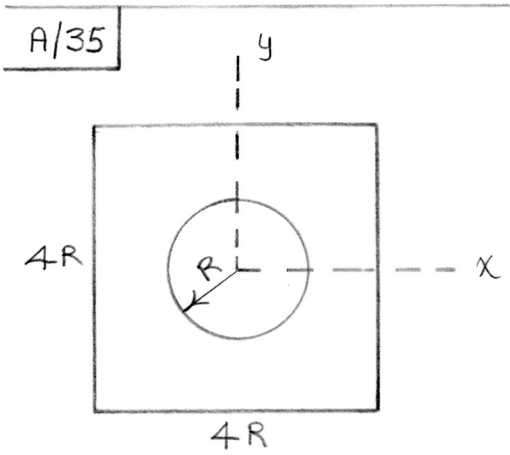
A/35



Without hole, $I_x = \frac{1}{12}(4R)(4R)^3 = \frac{64}{3}R^4$

$\underline{(21.3R^4)}$

With hole, $I_x = \frac{64}{3}R^4 - \frac{1}{4}(\pi R^2)R^2$

$= \underline{20.5R^4}$

(a 3.68% reduction)