Method I:

$$I_x = \Sigma y^2 = 4(3in)^2 = 36 in^4/in^2$$

Method II:

$$I_x = \frac{nb^2(n^2-1)}{12} = \frac{3(3in)^2[3^2-1]}{12} \cdot 2 = 36 \, in^4/in^2$$

Method III:

$$I_x = \frac{nb^2(n-1)^2}{12} = \frac{3(3in)^2(3-1)^2}{12} \cdot 4 = 36 \, in^4/in^2$$