

3.1 : **a)** $I_x = 46.5 \text{ in}^4$; **b)** $X_c = 0$ $Y_c = -0.43 \text{ in}$

3.2 : **a)** $I_x = 954,3 \times 10^3 \text{ mm}^4$; **b)** $X_c = 1.5a$ $Y_c = 0$