

**1-5**

The equations of equilibrium

$$\rightarrow \Sigma F_x = 0: \quad A_x = 0$$

$$\uparrow \Sigma F_y = 0: \quad A_y - 250 = 0$$

$$\curvearrowright \Sigma M_A = 0: \quad M_A - 3(250) = 0$$

are solved to get

$$A_x = 0 \text{ lb} \quad A_y = 250 \text{ lb}$$

$$\mathbf{A} = 250 \text{ lb } \uparrow \quad \dots\dots\dots \mathbf{Ans.}$$

$$M_A = 750 \text{ lb} \cdot \text{ft } \curvearrowright \quad \dots\dots\dots \mathbf{Ans.}$$

