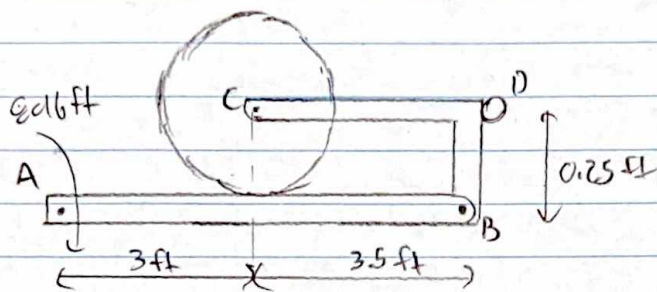


Solutions: 21-5-6.6-MK-08



Entire system

$$\sum M_A = 0 = -200 \text{ lb} \cdot \text{ft} + D_x (0.25 \text{ ft}) \Rightarrow D_x = 320 \text{ lb}$$

$$\sum F_x = A_x - D_x \Rightarrow A_x = 320$$

$$\sum F_y = 0 = A_y \Rightarrow A_y = 0$$

Member CB

$$\sum M_B = 0 = (320 \text{ lb})(0.25) - C_y (3.5) \Rightarrow C_y = 22.86 \text{ lb}$$