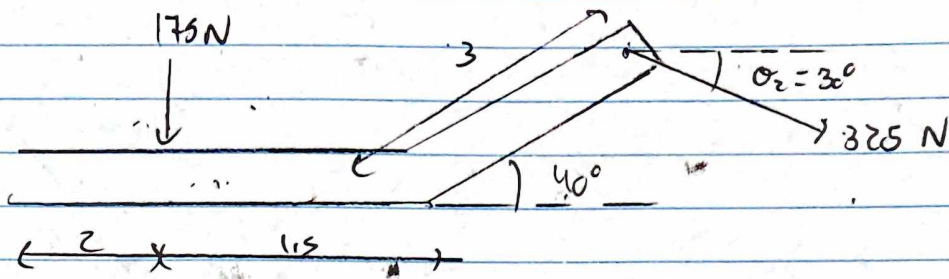


Solutions: 21-5-4.7-MR-02



$$F_x = (325 \text{ N})(\cos 30^\circ) \Rightarrow F_{Ax} = 281.4$$

$$F_y = (175 \text{ N}) + 325 \sin 30^\circ \Rightarrow F_{Ay} = 337.5$$

$$M_A = -(175 \text{ N})(2 \text{ m}) - 325(\sin 30^\circ)(2 + 1.5 + 3 \cos 40^\circ) - 325(\cos 30^\circ)(3 \sin 40^\circ)$$

$$M_A = -1634 \text{ N}\cdot\text{m} \Rightarrow$$

$$M_A = 1634 \text{ N}\cdot\text{m} \text{ CW}$$