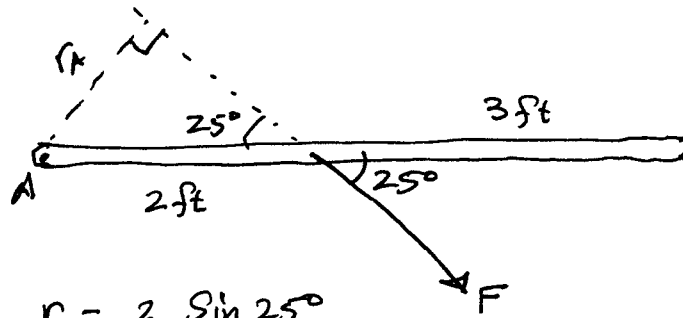


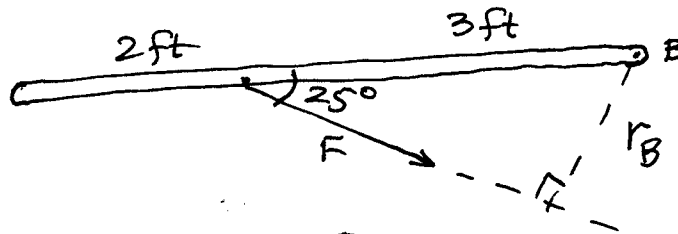
5.1



$$r_A = 2 \sin 25^\circ$$

$$r_A = 0.845 \text{ ft}$$

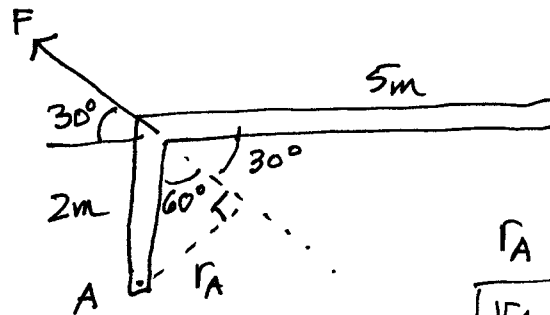
5.2



$$r_B = 3 \sin 25^\circ$$

$$r_B = 1.268 \text{ ft}$$

5.3



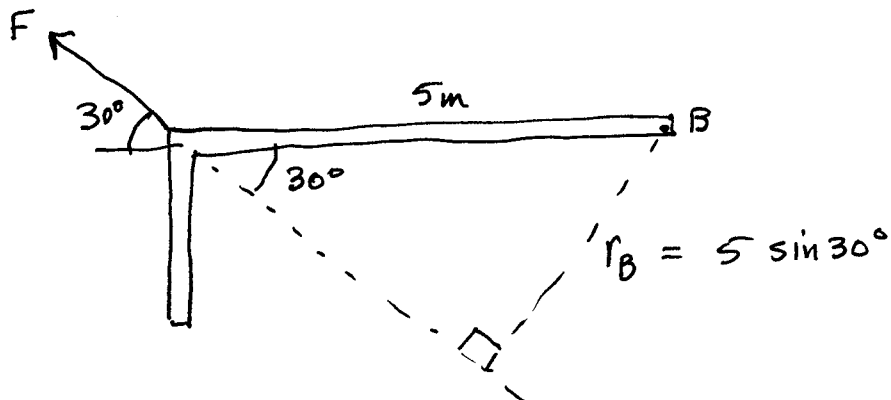
$$r_A = 2 \sin 60^\circ$$

$$r_A = 1.732 \text{ m}$$

5.5

$$\tau_A = -(0.845)(80) = -67.6 \text{ lb}\cdot\text{ft}$$

5.6



$$r_B = 5 \sin 30^\circ$$

$$a) \tau_A = +1.732(400) = 693 \text{ N}\cdot\text{m}$$

$$b) \tau_B = -(5 \sin 30^\circ)(400) = -1000 \text{ N}\cdot\text{m}$$