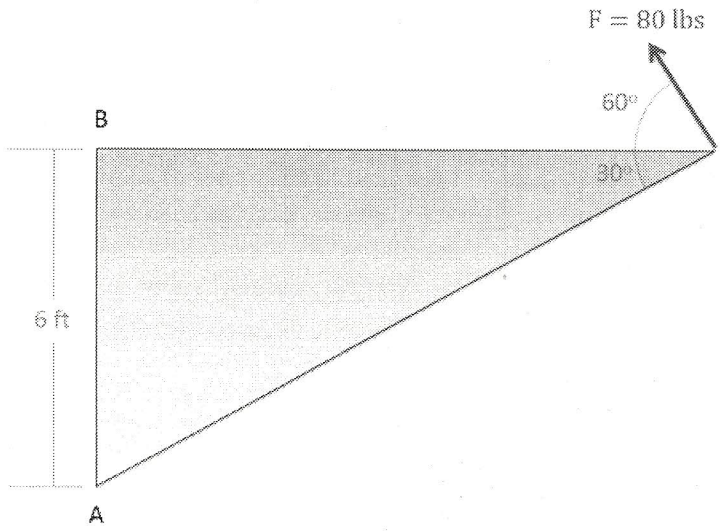
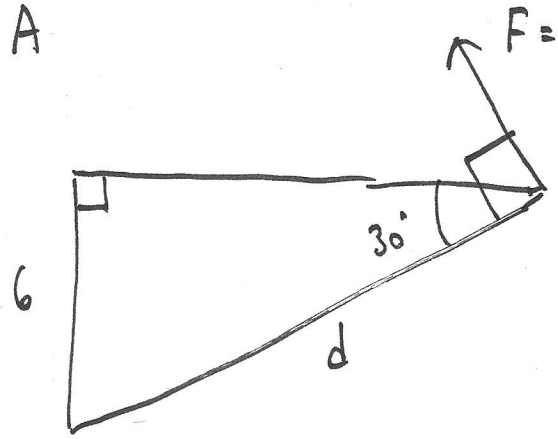
What is the moment that this force exerts about point A? What is the moment this force exerts about point B?



Point A



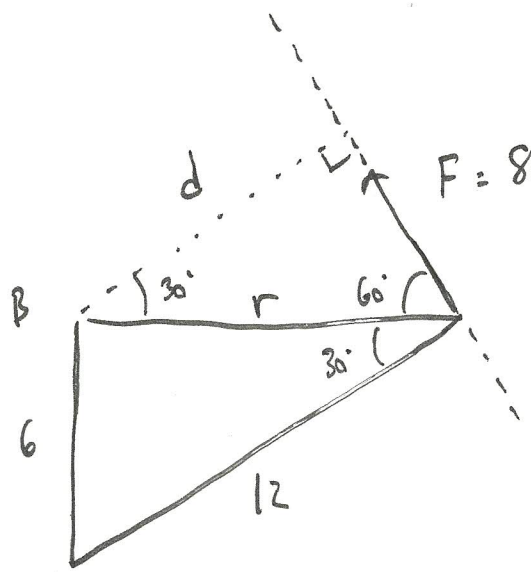
$\sin(30^\circ) = \frac{6}{d}$

$d = \frac{6}{\sin(30)}$

$d = 12$ ft

$M = F * d = 960$ ft lbs ↺

Point B



$$\cos(30^\circ) = \frac{r}{12}$$

$$r = (12)\cos(30)$$

$$r = 10.39 \text{ ft}$$

$$\cos(30^\circ) = \frac{d}{r}$$

$$d = (10.39)(\cos(30))$$

$$d = 9 \text{ ft}$$

$$M = F * d = \boxed{720 \text{ ft lbs} \circlearrowleft}$$