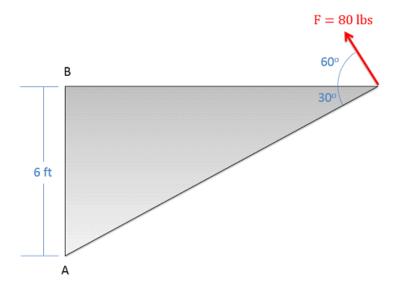
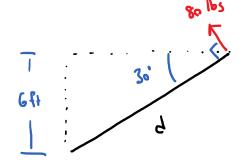
Problem 2

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



Point A



$$Q = \frac{2w(30)}{6} = 15 \text{ ft}$$

$$M_A = (F)(d) = (80 lbs)(124t)$$
 is positive

$$A = \frac{12\cos(30)}{6}$$

$$A = \frac{12\cos(30)}{6}$$

=
$$(80lb_3)(9ft)$$
) counter clockwise