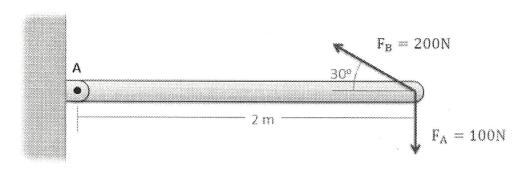
Question 1:

What is the moment that Force A exerts about point A? What is the moment that Force B exerts about Point A?

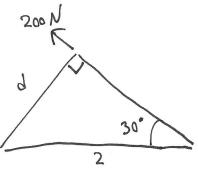


Calculations!

F,

$$M_A = F_x d = (100 \text{ N})(2\text{m}) 2$$
 chachwise is $M_A = -200 \text{ Nm}$

FB



d = 2 sm (30°)

 $M_A = F \times d = (200 \text{ N})(2 \text{sin}(30) \text{ m}) \text{ } T$ is positive $M_A = 200 \text{ Nm}$

Solution

From FA Ma = - 200 Nm From F3 Ma = 200 Nm