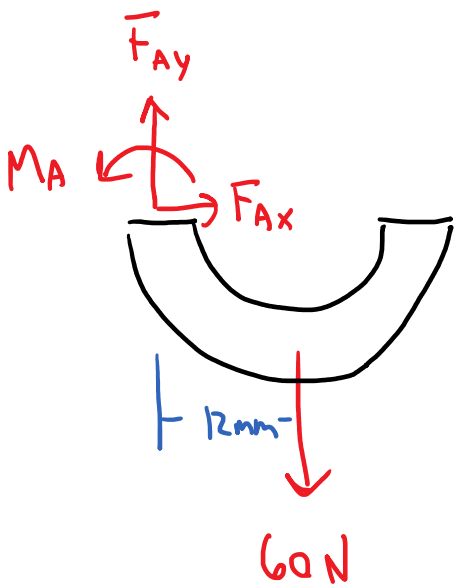
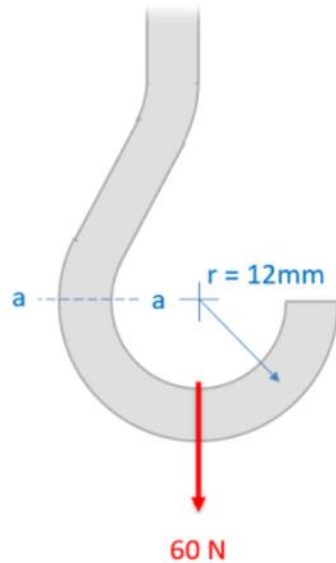


## Problem 2

A hook with a 12 mm curve at the bottom is subjected to a 60 N force as shown. Determine all internal forces and moments at cross section a-a.



$$\sum F_x = F_{Ax} = 0$$

$$\sum F_y = F_{Ay} - 60 = 0 \quad F_{Ay} = 60\text{ N}$$

$$\sum M_A = M_A - (60)(.012\text{m}) = 0$$

$$M_A =$$

Solution:

