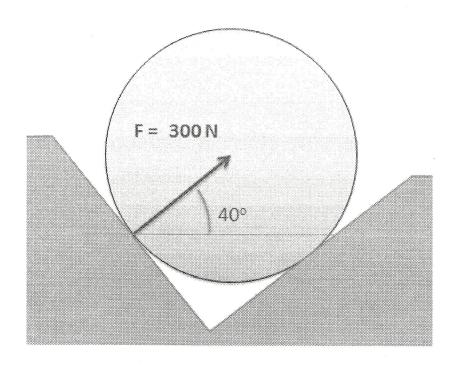
## Question 1:

Determine the x and y components of the vector shown below.



$$F_x = 300 \cos(40) = 229.8 \text{ N}$$
  
 $F_y = 300 \sin(40) = 192.8 \text{ N}$