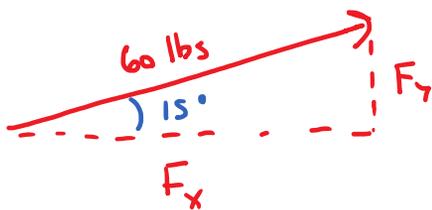
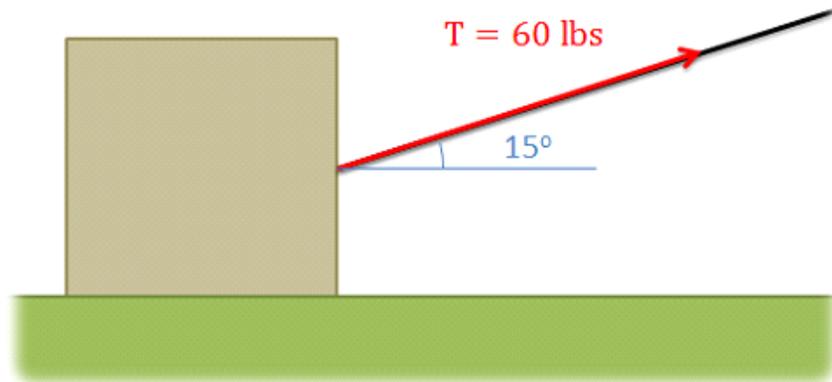


Problem 1

The tension force on the box below is given in magnitude and direction form. Redraw the diagram with the tension force given in component form.



$$F_x = 60 \cos(15) = 58.0 \text{ lbs}$$

$$F_y = 60 \sin(15) = 15.5 \text{ lbs}$$

$$T = [58.0, 15.5] \text{ lbs}$$