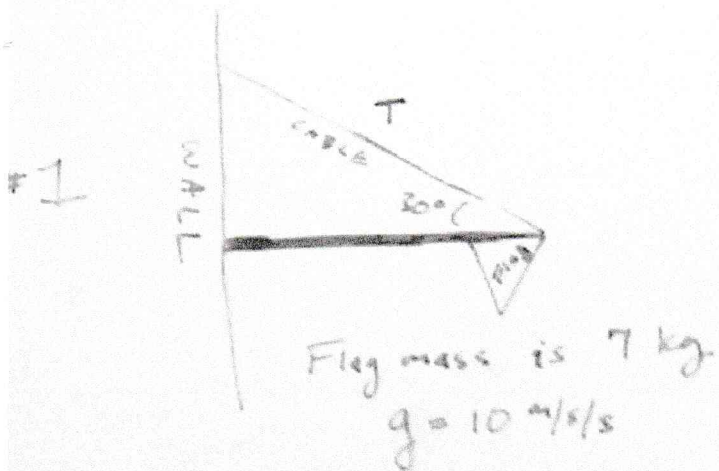


Boom & Sled Homework 2



a.) Draw a quantitative force diagram for the flag.

b.) Determine T_y , begin with $\sum F_y = 0$

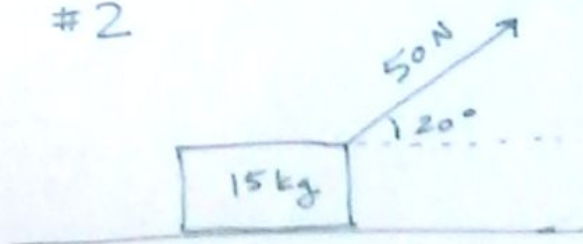
c.) Solve for T_x , begin with $\sum F_x = 0$

d.) Solve for total Tension in the cable.

#2

$$g = 10 \text{ m/s}^2$$

$$\mu_k = .2$$



a.) Draw a quantitative force diagram for the box.

b.) Determine F_N , begin with $\sum F_y = 0$

c.) Calculate force friction.

d.) Calculate net force.

e.) Calculate acceleration.