Phy 2A Extra Problems

Wednesday, February 1, 2017 3:15 PM

Newton's Laws Problems:

1) This is from OpenStax: Ch 5-18 A contestant in a winter sporting event pushes a 45 kg block of ice across a frozen lake, as shown. (For ice on ice $\mu_k = 0.03$ and $\mu_s = 0.1$)

(a) Calculate the minimum force, F, that must be exerted to get the block moving.

(b) What is the magnitude of the acceleration once it starts to move, if F remains constant?



in the Negative Licection













$$f_{x} = f_{x} = f_{x} = f_{y}$$

$$F \cos \theta - \mu_{x} = max$$

$$H = f_{y} - f_{y}$$

$$= mg - f_{y} = mg -$$