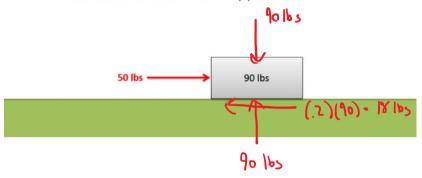
Force Method in One Dimension (Practice Problem)

- Repeat the procedure for the same block on a surface with a coefficient of friction of $\mu=.2$
 - What is the rate of acceleration of the block?
 - What is the velocity and displacement three seconds after the force is applied?



$$2F_{x} = 50 - 18 = m ax$$

$$32 lb_{3} = \frac{90}{32.2} ax$$

$$[C_{x} = 11.45 + 1/3^{2}]$$

$$V(+) = a + + \sqrt{6} = (11.45)(3)$$

$$\sqrt{(3)} = 34.35 + 1/3 = \frac{1}{2}(11.45)(3)^{2}$$

$$S(+) = \frac{1}{2}a + \sqrt{6} + \sqrt{6} + \sqrt{6} = \frac{1}{2}(11.45)(3)^{2}$$

$$S(3) = 51.52 + \sqrt{6}$$