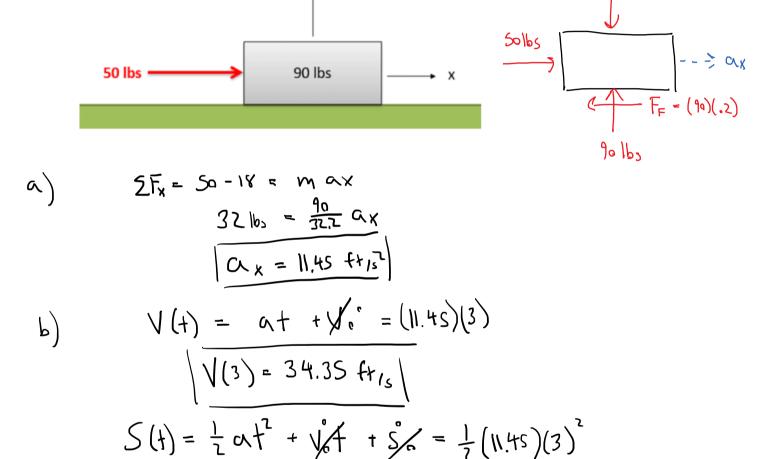
Problem 2

A block with a weight of 90 pounds sits on a surface with a kinetic coefficient of friction of .2 as shown below. A 50 pound force is then applied in the x direction as shown below.

- · What is the rate of acceleration of the block?
- What is the velocity and displacement three seconds after the force is applied?

S(3) = S1.52 ft



90 lbs