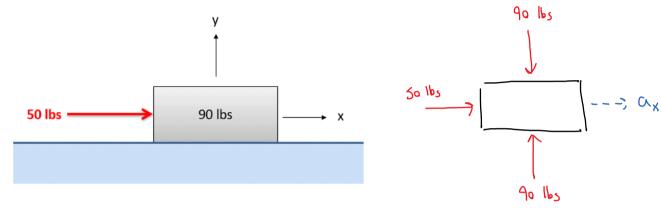
Problem 1

A block with a weight of 90 pounds sits on a frictionless surface 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?



$$\begin{array}{c}
S = \frac{90}{32.2} & \propto \times \\
 & \left[\frac{90}{32.2} & \propto \times \right] \\
 & \left[\frac{90}{3$$