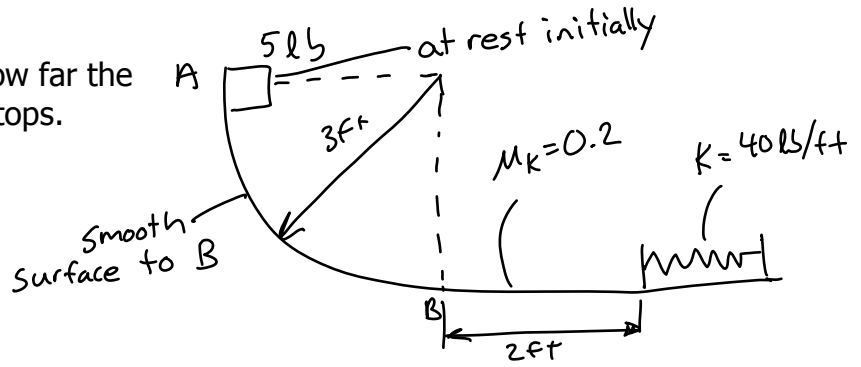


## Kinetics of a Particle: Work and Energy

**Problem Statement:** Determine how far the spring compresses before the block stops.



1.) Draw the Free-Body Diagram.

2.) Determine the work.

3.) Determine the kinetic energy.

4.) Apply the Principle of Work and Energy.