7. A 44-g bullet strikes and becomes embedded in a 1.54-kg block of wood placed on a horizontal surface just in front of the gun. If the coefficient of kinetic friction between the block and the surface is 0.28, and the impact drives the block a distance of 18.0 meters before it comes to rest, what was the muzzle speed of the bullet? (Hint: this is very, very similar to the ballistic pendulum problems that were highlighted in the reading).

$$M = 44g$$
 $1.54lg$
 $V = 7$
 $V = 1.54lg$
 $V = 7$
 $V = 7$