

***Physics 122 Problem Project: Solutions should be neatly written up.  
Each person must hand one in. Due Tuesday, Nov. 5.***

An object is launched up a long ramp with a speed  $v_0$ . The angle between the ramp and the ground is  $\theta^\circ$ . The object travels a distance of 32.7 m in 2.6 s before it comes to a rest. The coefficient of kinetic friction is 0.25. What was the initial speed up the ramp? What angle does the ramp make with the ground?

