

## Particle Work Energy: Example Problem 2

A 10 kg block slides down a 3-4-5 slope with friction present ( $\mu = .25$ ). The block has an initial speed of  $v_1 = 4$  m/s. When the block has slid 8 m down the slope it strikes the unstretched spring. Find the stretch,  $s$ , of the spring at which the block comes to rest. Will the block remain at rest at this position?





