

- D. If there is no friction on the ramp, how much kinetic energy did it have at the bottom?
- E. \*Calculate what velocity it must have had at the bottom of the ramp.

start

**5**°

Q1E:  $E_{total} = KE + PE$ . Q3C:  $PE = mgh = 2(10)(6)sin25^{\circ} = 50.7$  Joules Q3E: KE = 50.7 Joules, v = 7.1 m/s