

CHAPTER 7

9. A person drags a 12 kg mass by a rope at an angle of 42 degrees above horizontal for a distance of 10 m. The surface has a coefficient of friction of 0.25, and the person exerts a force of 50 N.
- How much work does the person do?
 - How much work does the force of friction do?
 - What is the final kinetic energy of the mass?
 - What is the final speed of the mass?