Reading Question Week 6 Day 1

Write your name, section, table number, and group on the upper right hand corner of your answer and hand it in at the start of class that day.

Oct 7/8 W06D1 Work and Energy
Reading Assignment:  

Reading Questions

(1) Explain why the scalar product is the appropriate mathematical concept to explain the physical meaning of work.

(2) The work-energy theorem for straight-line motion applies for varying forces as well as constant forces. (a) Explain why the work-energy theorem is valid even without the assumption that the net force is constant. (b) How would you generalize the work-energy theorem for a force that varies in direction as well as magnitude and the displacement lies along a curved path?