J.M.J.

Name: KEY Date:_____

A1 Physics Per:_____

Chapter 2 Quiz

1. Two students engaged in a tug-of-war each pull a rope in opposite directions with a force of 400 N. The net force on the rope is

A a) 0 N b) 200 N c) 800 N d) 400 N

2. A force is a vector quantity because it has both

A a) magnitude and direction. b) mass and velocity.
c) action and reaction counterparts. d) speed and direction.

3. The resultant of a 40-N force at right angles to a 30-N force is

C a) 30 N. b) 40 N. c) 50 N. d) greater than 50 N.

4. The net force on any object in equilibrium is

A a) zero b) equal to its weight
c) less than its weight d) non 0 since there's motion

5. An object in mechanical equilibrium is an object

D a) moving with constant velocity b) at rest
c) no change in velocity d) all of the above

6. A hockey puck sliding at a constant velocity across the ice is

A a) in equilibrium b) near equilibrium
c) is not near equilibrium d) none of the above

7. The net force on a book falling at a constant velocity is

C a) the weight of the book
b) negative due to air resistance
c) zero
d) none of the above

8. When a book is resting on a table what is the minimum number of forces acting upon the book?

B a) 1 b) 2 c) 3 d) 4

9. The effect of two or more vectors is

B a) net force b) resultant c) scalard) gravity

10. If two applied forces acted upon an moving in the same direction one at 5 N and the other at 10 N what is the net force?

D a) 5 N b) 10 N c)50 N d) 15 N