

Science/Homework

Name: _____

Class: 8____

Show all of your work for full credit

1. A 60-N force is applied to a 100-kg cart at rest for 5 seconds on a frictionless surface.

- (a) What's the momentum change of the cart?
- (b) How much work has been done to the cart?
- (c) What's the kinetic energy of the cart after 20 seconds?



- 2.

A skier slides down the frictionless slope as shown. What is the skier's speed at the bottom?

