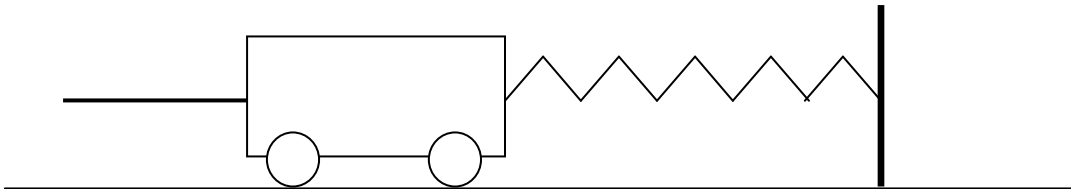


Name:

Physics 200B, Fall 2008

Quiz 4, 10/10/08

1. A low-friction cart on a horizontal track is attached to a spring, which is firmly fastened at its other end. The cart starts at the spring's equilibrium position, and is pulled by a string to the left so that the spring stretches.



Give the signs (+, -, or 0) of the work done by each of the following forces on the cart, and explain your reasoning briefly.

Tension on cart

Force of spring on cart

Normal force on cart

Gravitational force on cart