

Velocity Homework 2

Name: _____

Hour: _____ Date: _____

Sketch the velocity vs. time graphs for the following descriptions of the motion of an object.

1. The object is moving away from the starting line at a constant speed. S6



2. The object is standing still. S6



3. The object moves toward the starting line at a steady speed for 10 s, then stands still for 10 s. S6



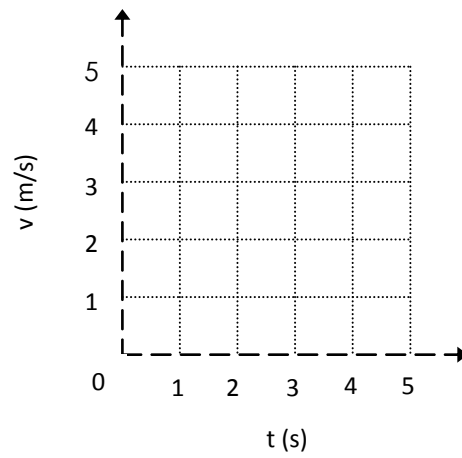
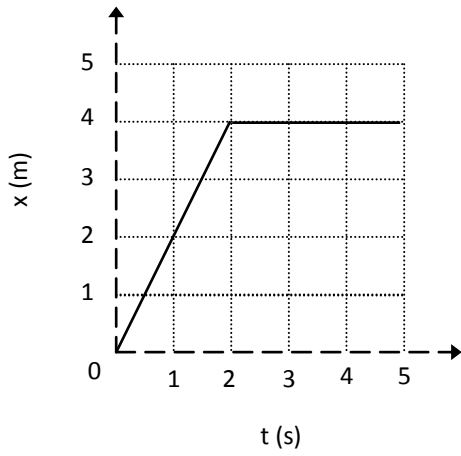
4. The object moves away from the starting line at a constant speed for 10 s, reverses direction and moves back toward the starting line at the same speed for 10 more seconds. S6



Draw the velocity vs. time graphs for an object whose motion produced the position vs. time graphs at the left. Shade the "area under the curve" and state the displacement of the object in question. S2, S6, S12 & S13

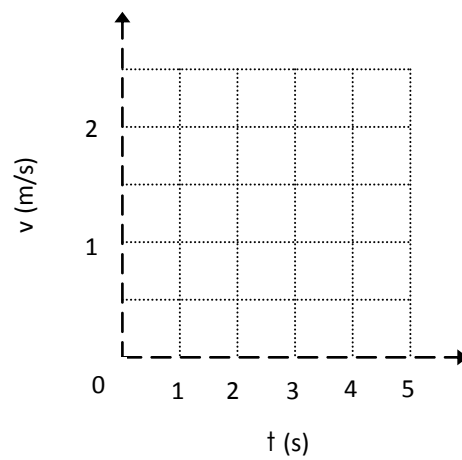
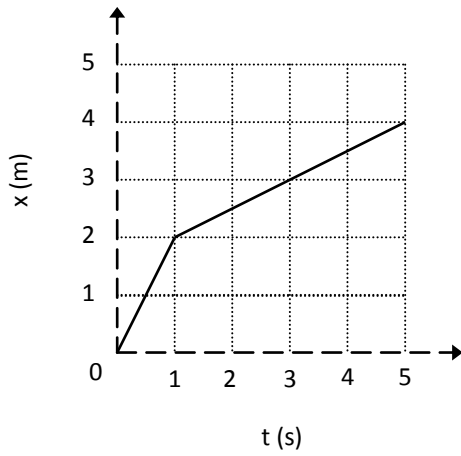
5.

$\Delta x =$ _____



6.

$\Delta x =$ _____



7.

$\Delta x =$ _____

