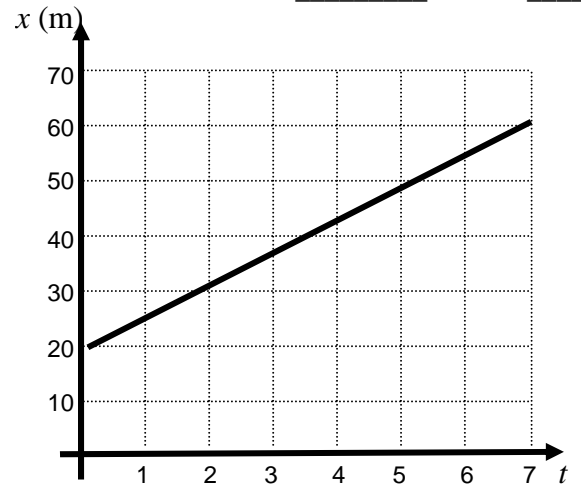# CVP Test Practice Questions

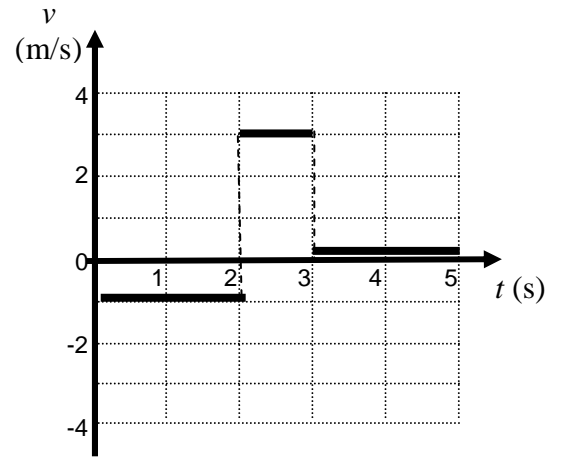Name_____

Date: _____ Period: _____

1. Consider the position vs time graph at right.
a. Determine the average velocity of the object.

x (m)

b. Write a mathematical equation to describe the motion of
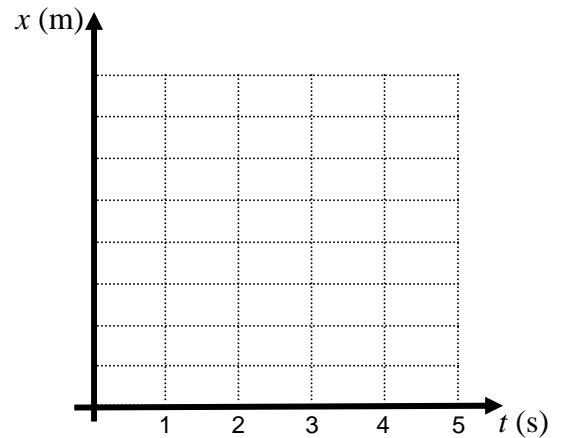 the object.

2. Shown at right is a velocity vs time graph for an object.
a. Describe the motion of the object.

v
(m/s)

b. Draw the corresponding position vs. time graph assuming
   the position of the object was zero at a clock reading of
   zero. Scale the position axis.

x (m)

c. How far did the object travel in the time interval from *t* =1 s
   to *t* =2 s? Show your work.

d. What is the total displacement of the object during the 5 s? Explain/show how you got your answer.
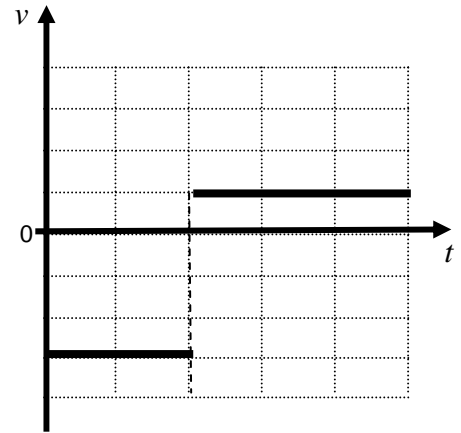
3. You drive from Irondale to Disneyland (1933 miles) in 28.0 hours. You return home by the same route in the same amount of time.
   a) Determine your average speed:

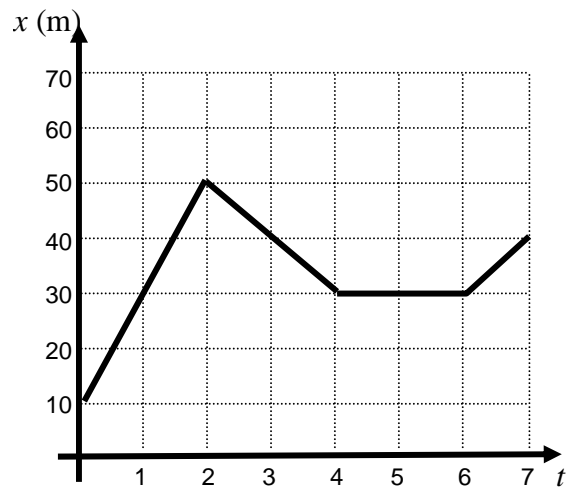b) Determine your average velocity:

4. Consider the *v* vs. *t* graph to the right.

a. Describe the behavior of the object depicted in the graph.

b. Draw a motion map that represents the behavior of the object.

5. Draw the motion map for this graph:

6. Sketch the **v** vs. **t** graph that corresponds with the **x** vs. **t** graph below:

18_a_Review_Questions