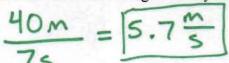
## **CVP Test Practice Questions**

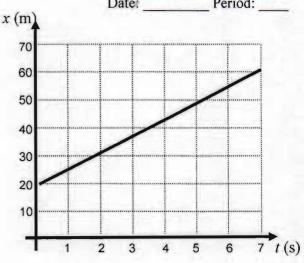
1. Consider the position vs time graph at right.

Date:

a. Determine the average velocity of the object.



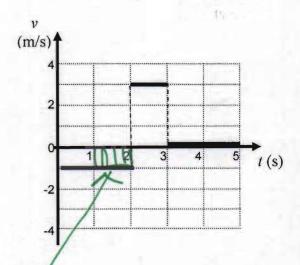
b. Write a mathematical equation to describe the motion of the object. 4= mx+b 4= 5.7+20



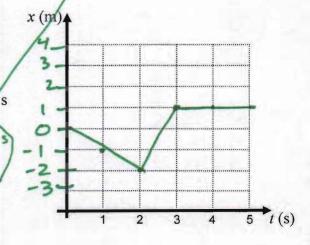
## x (m) = 5.7(\$) +(s) +20 (m)

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

The object moves with a constant relocity of -1 m/s for two seconds, then moves with a velocity of +3 M/s for one second, then stops for two seconds



- 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.
- c. How far did the object travel in the time interval from t=1 s



to t = 2 s? Show your work. Area = - Im

d. What is the total displacement of the object during the 5 s? Explain/show how you got your answer. Total area from 0 to Ss = -2m + 3m =

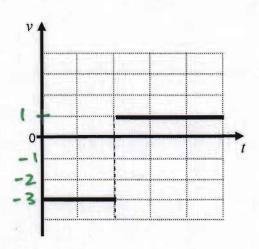
3. You drive from Irondale to Disneyland (1933 miles) in 28.0 hours. You return home by the same route in the same amount of time.

a) Determine your average speed: 
$$\frac{1933mi}{25.0 \text{ hc}} = \frac{169 \text{ ms}}{\text{nc}}$$

b) Determine your average velocity: 
$$\frac{\Delta X}{\Delta E} = \frac{Omi}{56 \text{ kg}} = \boxed{Omi}$$

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

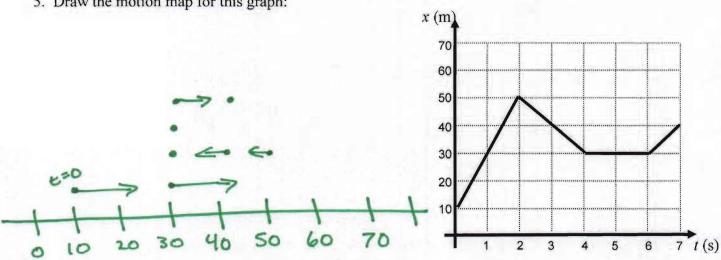
a. Describe the behavior of the object depicted in the graph.



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:

