CAP Review

Name:	
Date:	 Pd:

Remember to show your work and include units.

Use the graph below to answer the questions that follow.



- 7. General equation:
- 8. Based upon the above graph, describe the object's motion (be sure to explain its speed and acceleration).
- 9. Give an example of a real-world situation that could represent the motion described by the above graph.
- 10. Consider the following sets of *position*-vs.-*time*, *velocity*-vs.-*time*, and *acceleration*-vs.-*time* graphs. Draw the missing graphs based on the graph that is given.



 Compare the kinematic behavior of objects A and B as represented in the *velocity*-vs.-*time* graph to the right.



	Comparison	Explain how you know.
a. Displacement, Δx , from 0 to 4 s	A > B, A < B, or A = B	
b. Displacement, Δx , from 0 to 8 s	A > B, A < B, or A = B	
b. Velocity, v , at $t = 6$ s	A > B, A < B, or A = B	
c. Acceleration, a , at $t = 6$ s	A > B, A < B, or A = B	



