

Name: \_\_\_\_\_

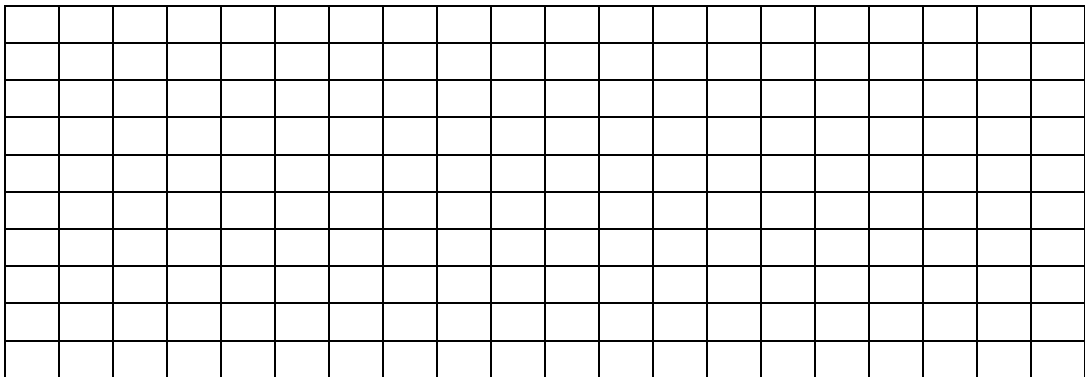
Date: \_\_\_\_\_

Period: \_\_\_\_\_

Review of Distance & Time Graphing

1. Graph the following data:

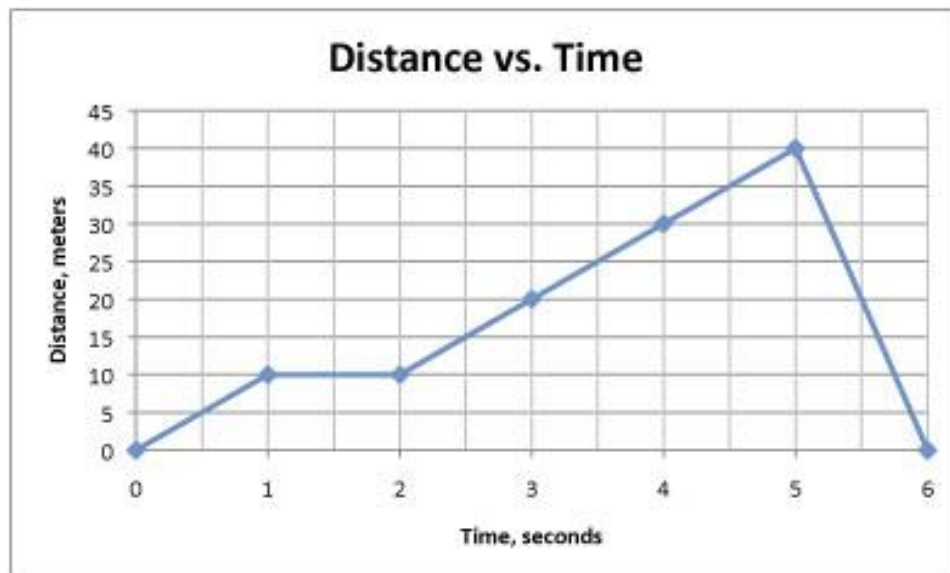
Distance (m)	0	1	3	5	5	5	9	15	20	25	25
Time (sec)	0	1	2	3	4	5	6	7	8	9	10



2. Describe the motion of the object graphed above. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3. If an object covers 27 meters in 3 seconds, what is its velocity? Show your Math.

4. If the object in Question #3 is a 60kg boulder, what is its Momentum? Show your Math.



5. In the graph above, what is happening to the object between 1 and 2 seconds? \_\_\_\_\_  
\_\_\_\_\_
6. In the graph above, describe the motion between 2 and 5 seconds. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
7. Calculate the speed of a football thrown 65 yards in 2.7 seconds. Show your Math.
8. How is velocity different from speed? \_\_\_\_\_  
\_\_\_\_\_
9. When an object gains or loses speed, physicists use what term to describe this change in motion? \_\_\_\_\_  
\_\_\_\_\_
10. You are standing in Washington DC and looking at the Washington Monument. For you, the object is at rest. How would its motion be described by a person on the ISS (International Space Station)? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_