Name: Period:

1) Where did the object begin (magnitude and direction)?

2) During what intervals did the object not move?

3) During which interval was the magnitude of the velocity the greatest?

4) What was the speed of that object during that time?

5) What distance was covered during the entire 10 seconds?

6) What was the average speed for the entire trip?

7) What was the total displacement for the entire trip?

8) What was the average velocity for the entire trip?

9) Did the object return to its starting point? How do you know?

1) How far is the object from its starting point (the origin) at t = 4 seconds?

2) Where is the object at t = 8 seconds?

3) During which interval is the object at rest?

4) What was the object’s average velocity during the interval from t = 3 to t = 4 seconds?

5) What is the slope of the graph from t = 4 to t = 8 seconds? What does this quantity represent? What does it mean in terms of the movement of the object?

6) What is the average velocity for the entire trip- be careful!

7) What would a distance vs time plot look like?

8) Based on Question 7, what distance did the object move during this entire time?