**Khan Academy Video Notes: Position vs. Time Graphs**

*Watch the Khan Academy video clip, and answer the following questions as you watch.*

1. What is on the y-axis?

2. What is on the x-axis?

3. When the time is 0 seconds, what is the turtle’s position?

4. What does a horizontal line on a position graph represent?

5. What other information can you get from a position-time graph?

6. The instantaneous velocity is equal to the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ on a position graph.

7. How is slope calculated on a position graph?

8. Work out the problems shown on the video for displacement, distance, average velocity, average speed, instantaneous velocity, and instantaneous speed.