Science 8 Name: _____

Section _____ Graphing Motion Date: _____

Graphing Motion:

We are going to make a distance vs. time graph for a car that made a 990 mile trip in 18 hours. We will make a plot of the average speed.

1. Write a title on the graph.
2. Write labels for the x and y axes on the graph.
3. Make an appropriate scale for both axes.
4. Plot and circle your data points.
5. Use a straight edge to make a line between your data points.

Now it's your turn. Make a displacement vs. time graph for a person walking their dog to a park 1200 meters away and then back home. They take 15 minutes to walk to the park. They stay in the park for 20 minutes. Then they walk back home again but it takes 25 minutes because the dog is tired. Follow the same directions as in the graph above.

6. Describe the difference between speed and velocity.

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