

## Graphing Distance and Time: Travel

### Final Assignment Instructions

In this lesson, you have learned how to express a relationship between distance and time on a graph. You will now write an essay that shares what you have learned. You will need a printout of your notes.

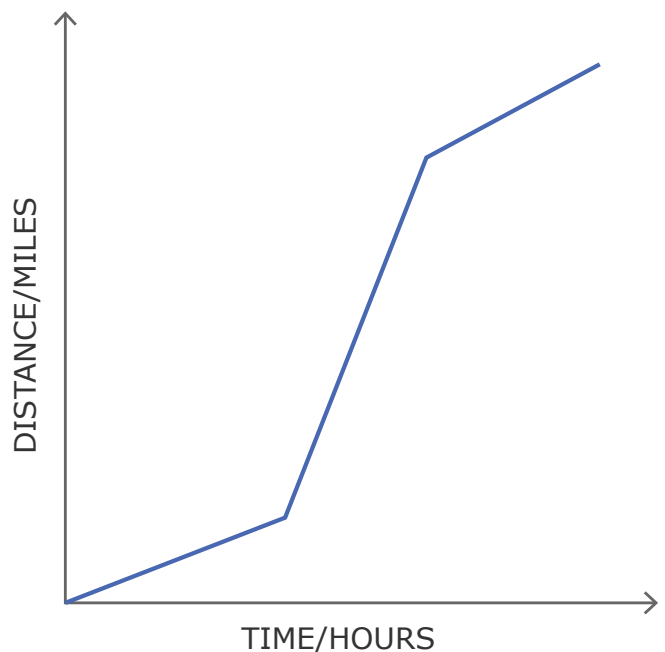
- Choose one of the topics in the PDF and write an essay.
- Organize your response so that it includes at least three supporting details that you have learned from the reading passage, video(s), and other materials in this lesson.
- Use at least three vocabulary words (or a form of the words) as part of your supporting details. For example, for the word *jump*, you could use *jumps*, *jumped*, or *jumping*.

### Essay Topics

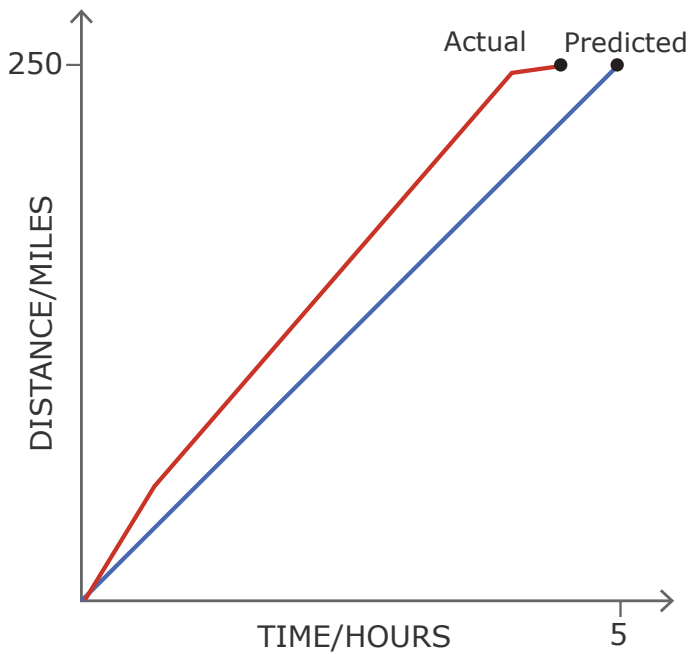
1. Explain what you have learned about distance-time graphs. In your response, answer the following questions:
  - When do you use distance-time graphs?
  - What does the line on a distance-time graph show?
  - How do you make a distance-time graph?

You may draw graphs to help explain your answer.

2. Write a story that goes along with the distance-time graph shown below. In your story, make sure to include:
  - 1) who the character is;
  - 2) what the character wanted to do;
  - 3) what the character was doing during each section of the trip; and
  - 4) why the graph changes direction a couple of times.



3. Sue predicted that it would take 5 hours to travel 250 miles by car. She made a graph of her actual trip, and it looked like this:



Explain how Sue's predicted and actual trips were different. In your response, make sure to discuss how the steepness of different parts of the trip helps you understand what is happening at different moments on the trip.

### Vocabulary Words

- axis
- graph
- horizontal
- origin
- steepness
- vertical