Average Speed

Name:_____

Use Google Maps to get the information needed to calculate the problems below. Make sure to show your work, and include units in your answers.

**Google will always give you more than one possible route. <u>Always pick the route that takes the shortest amount of time.</u>

1. Suppose you are traveling from GHS to The White House. Because of the length of the trip, you decide to stay in Wheeling West Virginia at the Wheeling Super 8. You spend 10 hours at the hotel before getting back on the road. Assuming that you spent a total of 1.5 hours on the trip getting gas and stopping to eat, what is the average speed of the entire trip?

2. Suppose you just completed a trip that started at the McDonalds on Main Street here in Galesburg. Assume that the average speed of the trip was 41 mph, and that the trip ended with you sitting on the beach at Saint Andrews State Park in Panama City Beach, Florida. How long did it take for you to get there?

3. If you wanted to take a trip to the North Rim of the Grand Canyon, and you started at the Thorntons gas station in Galesburg, Illinois, how many miles is this?   How long should this take if you drive without stopping?
Since it such a long drive, you decide to make the trip in over three day. You stay over the first night in Kearney, Nebraska for 9 hours, and the second night in Grand Junction Colorado for 12 hours. In your many stops to eat and get gas over the three days, it takes 4.5 hours. What is the average speed you made on the trip?

4. After your trip to the North Rim of the Grand Canyon, you plan on continuing to Sedona, Arizona. If you can maintain an average speed of 49 mph, how long will it take for you to get from the Grand Canyon to Sedona?

5. On a trip to Niagara Falls State Park, New York, you stop a few times to rest for a total of 3.35 hours. What will be the total amount of time to get to the Falls if you leave from the Taco Bell on East Main Street?   What will be the average speed of the trip?