

Investigation # 4: Using a Map

1. Obtain a map (or draw a map using your best estimates - make sure your map includes a distance scale) that includes your present location and the location of a nearby place that you have visited or would like to visit.
 - (a) Using the map scale, calculate the distance of a route that will take you from your present location to your destination. Your trip must include at least 3 turns, and travel at least 2 different speeds.
 - (b) Calculate how long it will take you to travel to your destination.
(For a residential street, assume that you will travel at 25 mph, for a non-residential road, assume that you will travel at 35 miles/hr; for major freeways and highways, assume that you will travel at 60 miles/hr. If you plan on walking, assume that you walk at 3 miles/hr. If you run, assume that you can cover 6 miles in 1 hour.)
2. Same as problem 1 above, except that the location that you will visit must be in another state, at least 1000 miles away. Also assume that you will stop for 1 hour for your meals, 0.5 hours for a rest stop, and 10 hours for sleeping, and that you will only travel between 8 AM and 8 PM.