

PROJECT #4 PLANNING A TRIP

THE SITUATION:

Starting from your home in Indiana, you are planning to travel by car to see friends in two (2) different cities **AND** in two (2) different states. The cities that you visit **MUST** begin with the first initials of your name. (For example: a student named **R**obert **B**enson might choose to travel to **R**aleigh, North Carolina and then to **B**oston, Massachusetts and then return to his home in Indiana). It is a triangular route, starting at home, going to one city, then the other city, and then back home.

My two (make believe) friends live in:

(city) _____ (state) _____

(city) _____ (state) _____

PLANNING STEPS:

- Use an atlas, or Map Quest on the computer to determine the quickest and most direct route.
- Use the Interstate Highway system when possible.
- Figure out the number of miles in the entire round trip. (Remember there are three routes in your trip).
- You may drive no more than ten (10) hours in a day. If you stay overnight in a motel, each night will cost you \$75.
- Your speed on the interstate is 70 mph, so calculate the number of hours it will take you on the road to complete the round trip.
- Your car will get 30 mpg (miles per gallon). Gas is priced at \$3.25 per gallon every place you fill up.
- Figure out the total amount of money that you will spend for gasoline on your trip.
- Figure your daily FOOD expense at \$35 per day.

TOTALS:

1) TOTAL ROUND TRIP MILES..... _____

2) TOTAL HOURS DRIVEN..... _____

3) TOTAL COST FOR GASOLINE..... _____

4) TOTAL COST FOR LODGING..... _____

5) TOTAL COST FOR FOOD..... _____

6) TOTAL COST OF MY TRIP..... _____