Name _____    Date _____

Real World Math                                            Period _____

# Unit 2 Final Project
# Math & Your Car

## Car Loan:

You are at a car dealership looking to buy a new car.

Name 3 car traits that are most important to you when choosing a car:

_____    _____    _____

Roll a die 3 times and record your answers below in the order in which you rolled the numbers:

☐ ☐ ☐

These 3 numbers in the order you rolled the die will be your monthly car payment:  $_____

If they offer you a 4 year car loan, how many times will you make this payment?  _____

Determine the total cost that you will pay for the new car after 4 years of payments:  $_____

## Car Insurance:

You decide to buy the car and are looking for car insurance.

Roll a die 4 times and record your answers below in the order in which you rolled the numbers:

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These 4 numbers in the order you rolled the die will be your 6 month car insurance premium: $_____

Roll a die 3 times and record your answers below in the order in which you rolled the numbers:

☐ ☐ ☐

These 3 numbers in the order you rolled the die will be the deductible for your car insurance: $_____

If you get into an accident that was your fault and cost $1,400 to repair, what would be your out-of-pocket car insurance cost for the 6 month time period: $_____

## Road Trip:

You are taking your first road trip to visit family for the holidays.

Roll a die 3 times and record your answers below in the order in which you rolled the numbers:

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These 3 numbers in the order you rolled the die will be your one-way distance that you will travel to visit your family: _____ miles

Using the one-way distance you just found, how long will it take to reach your destination if you drive 65 mph (round to the nearest hundredth of an hour)? _____ hours

Convert this time to hours and minutes (round to the nearest minute):

_____ hours _____ minutes

What would be the total distance you will travel on your road trip (there and back)?  _____ miles

Roll a die 2 times and record your answers below in the order in which you rolled the numbers:

☐ ☐

These 2 numbers in the order you rolled the die will be the highway gas mileage for your new car:

_____ mpg

Using the highway mpg you just found and the total distance from above (there and back), how many gallons of gas will you need for your road trip (round to the nearest hundredth of a gallon)?

_____ gallons

If a gallon of gas costs $3.50, how much will you pay for gas for your road trip (round to the nearest cent)?  $_____

## Additional Costs of Car Ownership:

In addition to the cost of gas, car insurance, and your car loan, what are 2 other costs that you will have to pay now that you own a car?

_____        _____