Situation 11-A

New Vehicle

Name _____ Part # _____

You have decided to purchase a new vehicle so you are doing some research. The minimum you have decided to spend is $_____. You look in Autotrader.com or local dealers for your vehicle. Complete the chart below as part of your research.

* For MPG go to fueleconomy.gov to look up and printout the mpg for each vehicle you are researching.

** To calculate the fuel cost use $_____ as your price per gallon.

Then calculate the cost per mile including the MSRP (or sticker price) plus the fuel cost to reach 100,000 miles divided by the miles left for the car to reach 100,000 total miles.

Example: Price of car $14,995, Current miles on car 27,000, MPG = 24 average city/highway,

100,000 – 27,000 = 73,000 73,000 / 24 = 3,041.67 total gallons needed 3041.37 X 3.85 (price per gallon) = $11,710.43

$14,995 + $11,710.43 = $26,705.43 $26,705.43 / 73,000 = $0.37 per mile

Type of Vehicle	Make	Model	MSRP or Sticker Price	Actual Miles on Vehicle	Miles under 100,000 miles	MPG *	Fuel cost to reach 100,000 miles **	Cost per Mile ***
Hybrid 1								
Hybrid 2								
Car any size 1								
Car any size 2								
Car any size 3								
Pick up 1								
Pick up 2								
Pick up 3								
SUV 1								
SUV 2								
SUV 3								

Graph the data from your chart, the cost per mile and make/model of the vehicles on the following page.

Based on price and total fuel cost, identify the least two expensive and the two most expensive vehicles to own.

Least expensive: _____ _____

Most expensive: _____ _____