**Hints for assignment 2**

**Part 1 Hint:**

Declare 3 variables of type double or float

Ask the user to enter the number of gallons and the number of miles as described in the assignment description

Calculate MPG (miles per gallon) using division

**Part 2 Hint:**

There are many ways to complete this assignment, one of them:

Declare int variables for the number of each class of tickets

Then ask the user how many tickets are sold from each class of tickets

Then either display the total revenue by multiplying each ticket size by its cost and adding them up or declare another variable that holds the revenue and display the revenue after you have calculated it.

**Part 3 Hint This is the actual code of part 3 because we are doing it in class with the other sections. Please study it well before turning in the assignment and make sure you understand it because the next assignment’s part 3 is building up on this one.**

#include <iostream>

#include <cstdlib> // For rand and srand

#include <ctime> // For the time function

#include <iomanip>

using namespace std;

int main()

{

// Constants

const int MIN = 50;

const int MAX = 450;

// Get the system time.

unsigned seed = time(0);

// Seed the random number generator.

srand(seed);

// Generate two random numbers.

int num1 = MIN + rand() % MAX;

int num2 = MIN + rand() % MAX;

// Display the addition problem.

cout << setw(5) << num1 << endl

<< "+" << setw(4) << num2 << endl

<< "-----\n\n";

// Wait for the user to press the Enter key.

cout << "Press Enter to see the answer . . .\n";

cin.get();

// Calculate the sum.

int sum = num1 + num2;

// Display the answer to the addition problem.

cout << setw(5) << num1 << endl

<< "+" << setw(4) << num2 << endl

<< "-----\n"

<< setw(5) << sum << endl << endl;

return 0;

}