Computer Programming C++ Midterm In Class Practice 2019/10/16

Problem 1: Ask the user to input two positive numbers M and N, if the user input is not positive numbers, ask the user to input again and again, for unlimited times, until getting correct input. Then print on screen:

The average of M and N is (M+N)/2 and is XX.

For example, if the input is 5 and 8, then print:

The average of 5 and 8 is (5+8)/2 and is 6.5.

Problem 2: ask the user to input a number "x" and create a function and, then displays When input x=XX, output y=YY. for the following:

Problem 3: Ask the user to input a number and create the following function:

Fun1: the input and output are x and y, respectively, for y=x*exp(-x)+3

Display "Positive" if y(x) is positive, and "Negative" if y(x) is negative, and "0" if y(x) is zero.

Problem 4: Ask the user to input two positive integers, then display the highest common factor and least common multiple of these two integers.

Problem 5: Perform the following integration:

