**CST 231 PLTL Week 7**

**Exercise 1:**

Trace the code below and determine what the console output of this program is when it’s run. #include <iostream>

using namespace std;

int mystery1(int a, int b)

{

if (a\*b > a + b)

return a;

else

return b;

}

int mystery2(int x, int y)

{

if (mystery1(20, x) == x)

return x;

else if (mystery1(10, y) == y)

return y;

else

return x + y;

}

int main()

{

cout << mystery2(2, 4) << endl;

cout << mystery2(-1, 0) << endl;

cout << mystery1(mystery1(3, -3), -2) << endl;

return 0;

}

**Exercise 2:**

On paper write a function that copies all values from the array x into the array y, but in reverse

order.

**Exercise 3:**

Write a function that takes in 3 numbers and prints which number is the smallest, largest, and in the middle.

**Exercise 4:**

Write a function that prints all prime numbers from A to B, where A and B are variables passed to the function.