Name:	Julia Nelson	Date:	02/14/2020
Pledge:	" I pledge my honor that I have abided by	the Stevens H	lonor System."
For each function below, trace through it with reasonably small integer values. What does each function do? HINT: You should assume integers are 8 bits for the purpose of this exercise.			
<pre>int c = d = myst return m } Trace: myste</pre>	(c >> 7) & 1, ery = a - c * d;		
Summary: <u>Mystery1 returns the max of two integer bits</u>			
<pre>values[i values[j values[i } Note: Improp Trace: myste Trace: myste</pre>	<pre>2(int values[], int i, int j) {] = values[i] ^ values[j];] = values[i] ^ values[j];] = values[i] ^ values[j]; er C++ syntax found below. ry2([1, 2, 3, 4], 0, 3) values = [ry2([1, 2, 3, 4], 1, 2) values = [</pre> Mystery2 swaps the values of indice		
<pre>int s, c s = x ^ c = x & while (c</pre>	y; y; != 0) { c << 1; s; c; x ^ y; x & y;	9991199)	
Trace: myste Trace: myste	ry3(5, 7) returns <u>12(binary 00</u> ry3(2, 8) returns <u>10(binary 00</u>	<u>)001100)</u>)001010)\	
Summary:Mystery3 returns the sum of two integer inputs			

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Julia Nelson
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                Trace: mystery1(3,7)
               Trace: myster 1 (8,7)
                  c = a - b = 8 - 7 = 1

d = (c >> 7) & 1
                    2-c #d = 8-(1) #0
             Trace: mystery 2 ([1, 2, 3, 4], 0, 3).
                V [0] = V[0] ^V[3] V[0] = 0101
V [3] = V[0] ^V[3] V[3] = 0001
V [0] = V[0] V[3] V[0] = 0100
                              Values = [4,2,3,1]
          Trace: mystery 2 ([1,2,3,4],1,2)
            V [ 1] = V[ 1] ^ V[ 2]
V[ 2] = V[ 1] ^ V[ 2]
V[ 1] = V[ 1] V[ 2]
                                                         values = [1,3,2,4]
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There: mystery 3 (5,7)

There: mystery 3 (5,7)

8 = x^{4}y \Rightarrow 0101^{4}0111 = 0010

1000^{4}0100 = 1100 = 1010

8 = x^{4}y \Rightarrow 0010^{4}1000 = 1010

8 = x^{4}y \Rightarrow 0010^{4}1000 = 1010

8 = x^{4}y \Rightarrow 0010^{4}1000 = 0000

9010^{4}1000 = 1010 = 10
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