Laboratory Worksheet #02
Logic Exercise

Answer the following questions given:

char a,b,c,d;

a = 0x00;

b = 0x0F;

c = 0x09;

What is the value of **d** after execution of the following lines?

1)   **d = a & c;**   _____

2)   **d = b & c;**   _____

3)   **d = b & 0x04;**   _____

4)   **d = b & 0x33;**   _____

5)   **d = b & !c;**   _____

Are the following TRUE or FALSE?

6)   **(a && c)**   _____

7)   **(b && c)**   _____

8)   **(b && 0x04)**   _____

What is the value of **d** after execution of the following lines?

9)   **d = a | c;**   _____

10)   **d = b | 0x10;**   _____

11)   **d = b | a;**   _____

12)   **d = b | !a;**   _____

Are the following TRUE or FALSE?

13)   **(a || c)**   _____

14)   **(a || (c & 0x10))**   _____

15)   **(a || !b)**   _____

When complete, include Worksheet 2 with your Laboratory 1-1 Pre-lab submission.