Name: CSCI 250: Quiz 2

Summer II (Monday, July 10, 2017)

Question 1) What's the output of the following code? 'int' is 4-byte long

```
void main()
{
     int var_1 = -11;
     printf("Value is: %x", var_1);
}
```

ff ff ff f5 (spaces are added to make answer easier to read)

Question 2) What's the output of the following C code (note: the 'and' logical operator has a higher priority than 'or'):

```
if ((60 > -23) && (3 < -33) || (-8 < 30) && (-32 > -43))
     printf("I am inside the if statement!");
else
     printf("I am inside the else section!");
     printf(":)");
```

I am inside the if statement!:)

Question 3) What's the output of the following C code:

```
int c_var;
for(c_var = 0; c_var < 13; c_var = c_var + 2)
{
     if (c_var == 2)
          continue;
     printf("%d", c_var);
}
```

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Question 4) What's the output of the following code (assume the size of an int is 4 bytes, the size of any address is 4 bytes, and the address of 'count' is 64)? *Although '%p' will print a hexadecimal, you can print the decimal value instead to save time.

```
int count = 20;
int *temp = &count;
*temp = 10;
printf("count = %d, temp = %p, *temp = %d", count, temp, *temp);
```

count = 10, temp = 64, *temp = 10

Question 5) What's the output of the following code (if error, answer 'error'):

```
void change_value(int *value)
{
     *value = *value + 5;
}
void main()
{
     int var = 8;
     change_value(&var);
     printf("%d", var);
}
```

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Question 6) What's the output of the following code (if error, answer 'error'):

```
void change_value(int value)
{
     value = value + 5;
}
void main()
{
     int var = 4;
     change_value(var);
     printf("%d", var);
}
```

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