

Name (PRINTED): _____

Student ID #: _____

Section # (or TA's: _____
name and time)

CMSC 131

Quiz #4

Spring 2009

1. (3 points) List the following operators in order of precedence. (Put the highest precedence at the left.) [Note: those with highest precedence are associated with their operand(s) first.]

|| *= -- != <=

2. (3 points) Order these types from smallest to largest in how many bytes of memory they take. Put the one with the smallest size at the left. (If two are the same, either order is fine.)

int byte char double long

3. (5 points) What will be the output from the following code fragment?

```
(a) int j = 2;
    for (int i = 0; i < 5; i++){
        while (i < j){
            System.out.println( i + " + " + j);
            j--;
        }
        j+=2;
    }
```

```
(b) int x = 6;
    for (int i = 1; i < x; i++){
        System.out.println(--x + " & " + i);
    }
```

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4. (9 points) Assume you are writing additional code for the following main method, The main should create a Scanner object so you can read from keyboard input, read integers until the user types a 0 (the user can enter positive or negative values up to that point). After the user enters a 0, tell the user how many values were typed before the 0 and the largest of those values. The user will type at least one value before typing the 0. [note: Even if you know what they are - you can not use arrays or any other collection to store the integers as they are read.]

```
import java.util.Scanner;
public class FindingHigh {

    public static void main(String[] args){

    }
}
```