Quiz 2 9/9/14  Name:_______ KEY  ___/20

1. What gets printed by the following program?

```java
public class Quiz2 {
    public static void main(String args[]) {
        int a, b;
        a = 3;
        b = 4;
        int c = a;
        a = b;
        b = 5;
        b = c;

        System.out.println("a = " + a);
        System.out.println("b = " + b);
        System.out.println("c = " + c);
    }
}
```

**Output**

```
a = 4
b = 3
c = 3
```

2. For each of the following expressions, indicate the order in which the operators will be evaluated by writing a number beneath each operator.

   a) a + b / c * d
      
      3 1 2

   b) a % b / c * d
      
      1 2 3

   c) (a + b) - c * (d - e)
      
      1 4 3 2

   d) a + b * c / (d % e)
      
      4 2 3 1
1. What gets printed by the following program?

```java
public class Quiz2 {
    public static void main(String args[]) {
        int a, b;
        a = 5;
        b = 3;

        int c = a;
        a = b;
        b = 5;
        b = c;

        System.out.println("a = " + a);
        System.out.println("b = " + b);
        System.out.println("c = " + c);
    }
}
```

Output

```
a = 3
b = 5
c = 5
```

2. For each of the following expressions, indicate the order in which the operators will be evaluated by writing a number beneath each operator.

   a) $a - b / c + d$
      
      2 1 3

   b) $a \% b \% c \% d$
      
      1 2 3

   c) $(a + (b - c) * d - e)$
      
      3 1 2 4

   d) $(a + b) * (c / d) \% e$
      
      1 3 2 4