Quiz 2 2/2/17

Name: ____________________________ ___/20

1. What gets printed by the following code fragment?

   ```java
   int num1 = 4; int num2 = 3;
   if (num1 + num2 < 9)
   {
     System.out.println("red");
     System.out.println("orange");
   }
   else
   System.out.println("white");
   if (num1 >= num2)
   System.out.println("beige");
   else
   if ((num1 + 10) >= num2)
   {
     System.out.println("black");
     System.out.println("blue");
   }
   else
   System.out.print ("yellow");
   System.out.println("green");
   ```

2. The following code is supposed to compute and print the maximum of three variables a,b,c, but it does not work. Provide an example of values of a, b, c for which it gives the wrong answer and show how to correct it by making a couple of small changes (i.e., do NOT rewrite all of it).

   ```java
   if (a > b)
   if (b > c)
     max = a;
   else
     max = c;
   else
   if (b > a)
     max = b;
   else
     max = c;
   System.out.println("max = " + max);
   ```
1. What gets printed by the following code fragment?

```java
int num1 = 5; int num2 = 16;

if (num1 + num2 < 9)
{
    System.out.println("green");
    System.out.println("red");
}
else
    System.out.println("white");
if (num1 >= num2)
    System.out.println("beige");
else
    if ((num1 + 10) >= num2)
    {
        System.out.println("black");
        System.out.println("blue");
    }
    else
        System.out.print("yellow");
    System.out.println("brown");
```

2. Complete the following algorithm to print the minimum of three numbers a, b, c.

**Variables:** a, b, c, min

**Algorithm:**
- input a, b, c
- print min