1. What gets printed by the following program?

```java
int num1 = 5; int num2 = 4;
if (num1 >= num2)
{
    System.out.println("red");
    System.out.println("orange");
}
else
{
    if ((num1 + 5) >= num2)
        System.out.println("white");
}
if ((num1 + 10) >= num2)
{
    System.out.println("black");
    System.out.println("blue");
}
else
    System.out.print("yellow");
System.out.println("green");
```

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
```
1. What gets printed by the following program?

```java
int num1 = 5; int num2 = 14;
if (num1 >= num2)
{
    System.out.println("red");
    System.out.print ("orange");
}
if ((num1 + 5) >= num2)
    System.out.println ("white");
else
    if ((num1 + 10) >= num2)
        System.out.println ("black");
        System.out.println ("blue");
    else
        System.out.println ("yellow");
    System.out.println("green");
```

2. For each of the following Java code fragments, mark the error and show how to correct it. What do you need to do to fix it so that it works as appears to be intended?

a) ```java
   if (value = 0)
       System.out.print ("Right!");
```  

b) ```java
   if (value > 0);
   System.out.print ("Right!");
```  

c) ```java
   if (value > 0)
       System.out.print ("Right!");
       System.out.println(" value is positive");
```