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
  - min = a
  - if b<min
    min = b
  - if c<min
    min = c
- print min

// NB: there are many possible correct answers
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!");
```
   = instead of ==

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

c) ```java
if (value > 0)
    System.out.print ("Right!");
    System.out.println(" value is positive");
```
   only one of the print statements will execute when value>0
   Use braces around them.