Quiz 2
Name:______________________________

1. What is the output of the following code fragment?

```java
int num1 = 5; int num2 = 4;

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

2. Write a Java code fragment (NOT a complete program) that will print a message based on the value of the `int` variable named `temperature` (assume the value for `temperature` is already stored in that variable, so you do not need to input that). If `temperature` is equal to or less than 50, it prints “it is cool”. If `temperature` is greater than or equal to 80, it prints “It is warm. If `temperature` is between 50 and 80, it prints “it is pleasant.”.

(Use back of this page to write your code)
1. What is the output of the following code fragment?

```java
int num1 = 5; int num2 = 27;

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

2 Write an algorithm that solves the following problem:

Input an integer representing a number of ounces; compute and output the equivalent as pounds and ounces (16 oz = 1lb).

(Use back of this page to write your ALGORITHM)
Quiz 2

1. What is the output of the following code fragment?

```java
int num1 = 5; int num2 = 14;

if (num1 >= num2)
{
    System.out.print("red");
    System.out.print("orange");
}
if ((num1 + 5) >= num2)
    System.out.print("white");
else
   if ((num1 + 10) >= num2)
   {
       System.out.print("black");
       System.out.print("blue");
   }
else
    System.out.print("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) if (value = 0)
   System.out.print("Right!");

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

c) if (value > 0)
   System.out.print("Right!");
   System.out.println("value is positive");
1. What is the output of the following code fragment?

```java
int num1 = 25; int num2 = 7;

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

2 Write an algorithm that solves the following problem:
Input a temperature in fahrenheit, convert it and print the celsius equivalent (use formula: (°F - 32) x 5/9 = °C).

Note temperature conversion formulas:
°C x 9/5 + 32 = °F
and
°F - 32) x 5/9 = °C

(use back of this page to write your ALGORITHM)
1. What is the output of the following code fragment?

```java
int num1 = 5; int num2 = 27;

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

2. Write an algorithm that solves the following problem:
Input a temperature in celsius, convert and print the fahrenheit equivalent

Note temperature conversion formulas:

°C x 9/5 + 32 = °F
and
°F - 32) x 5/9 = °C

(use back of this page to write your ALGORITHM)