What is the output produced from each of the following program fragments?

```
1) a = -14;
   b = 0;
   if(a < b)
      out.println(a + " " + b);
   else
      out.println(a * b);
2) a = 50;
   b = 25;
   count = 0;
   sum = 0;
   if(a == b)
      out.println(a + " " + b);
   else
   {
      out.println(a * b);
      count = count + 1;
      sum = sum + a + b;
      out.println(a + " " + b);
   out.println(sum + " " + count);
3) temp = 0;
   a = 10;
   b = 5;
   if(a < b)
      out.println(a + " " + b);
   else
      temp = a;
      a = b;
      b = temp;
      out.println(a + " " + b);
   out.println(a + " " + b);
4) Use the same code above, except
   change b to the value 21 (b = 21;)
```

```
5) a=-8; b=21;
   c = a + b;
   if(a > b)
      a = b;
      c = a * b;
   else if(a < 0)
      a = Math.abs(a);
      b = b - a;
      c = a * b;
   }
   else
       c = 0;
   System.out.println(a + " " + b + " " + c);
Find all the errors in the following fragments:
6) if(ch < '.')
      char_count++;
      out.println(ch);
   else
       p_count++;
7) if(grade < 11);</pre>
      out.println("underclassmen");
   else
       out.println("upperclassmen");
8) if(age = 18);
       out.println("Too old");
      oldCount++;
   else (age < 18)
       out.println("Still Good");
      youngCount++;
```

```
1)
2)
3)
')
5)
```

Consider the following method:

```
test(381)
```

test(-21)

test(600)

test(3000)

```
What is the output for the following method calls:
```

```
public void method1(int a, int b)
                                                      public void method3(int a, int b)
                                                      {
  if(a < 0)
                                                        if(a >= 0)
    if(b < 0)
                                                          a = b + 10;
      a = b;
                                                        else if(b < 0)
                                                          a = b;
    a = b + 10;
                                                        out.println(a + " " + b);
  out.println(a + " " + b);
                                                      }
                                                      public void method4(int a, int b)
public void method2(int a, int b)
                                                        if(a >= 0)
  if(a < 0)
                                                          a = b + 10;
  {
                                                        if(b < 0)
    if(b < 0)
                                                          a = b;
      a = b;
                                                        out.println(a + " " + b);
  else
    a = b + 10;
  out.println(a + " " + b);
```

method1(-5,5);	method2(-5,5);	method3(-5,5);	method4(-5,5);
method1(-5,-3);	method2(-5,-3);	method3(-5,-3);	method4(-5,-3);
method1(10,8);	method2(10,8);	method3(10,8);	method4(10,8);
method1(10,-4);	method2(10,-4);	method3(10,-4);	method4(10,-4);