Signature	CSE 11	Name
	Quiz 2	
cs11f	Fall 2011	Student ID

This quiz is to be taken **by yourself** with closed books, closed notes, no calculators.

(Partial) Operator Precedence Table

Operators		Associativity		
*	/	%		left to right
+	-			left to right
<	<=	>	>=	left to right
==	!=			left to right
&&				left to right
				left to right
=				right to left

1) What are the values of x, y, z (left) and a, b, c (right) after the following code segments are executed?

```
int x = 3, y = 6, z = 0;
if ( ++x >= 4 || y-- >= 7 )
  z = ++x + y--;
else
  z = x++ + --y;
```

Х	=
У	=
Z	=

int $a = 5$, $b = 8$, $c = 0$;
if (++a >= 6 && b >= 9)
c = ++a + b;
else
c = a++ +b;

```
a = b = c =
```

2) What is the equivalent Java expression for the following expression such that no! operators are used?

```
!( a == 4 || b > -13 )
```

3) Assume we have defined public class Test and it uses at least one class in the objectdraw library which we have copied into the current working directory.

Write the full Unix command to compile this Java class.

This command will produce a file named:

Write the full Unix command to run the above program as a Java application.

Assume we have correctly written a Test.html file in the same directory with the above files. Write the full Unix command to run the above program as an applet.

4) Assume a program had the following definitions (a Point has an x and a y value):

```
Point p1 = new Point( 42, 420 );
Point p2 = new Point( p1 );
Point p3 = p2;
```

What results would be produced by evaluating the following expressions?

5) What output is produced with the following code fragment? Assume method1 () is invoked as

```
Quiz2 q2 = new Quiz2();
q2.method1( 19 );
```

```
public class Quiz2
 private int a;
                                // Line 3
 public void method1( int x )
   int a;
                                 // Line 7
   int b = x;
   a = b \% 5;
   this.a = b / 3;
   System.out.println( "a = " + a );
   System.out.println( "b = " + b );
   System.out.println( "this.a = " + this.a );
   System.out.println( "method2() result = " + method2( x ) );
   System.out.println( "a = " + a );
    System.out.println( "b = " + b );
   System.out.println( "this.a = " + this.a ); }
 private int method2( int x )
   int a = x;
   int b = this.a;
   b = b * 2;
    System.out.println( "a = " + a );
    System.out.println( "b = " + b );
    System.out.println( "this.a = " + this.a );
    this.a = b + 3;
   return a + 3;
 }
}
```

What is the initial value of a on Line 3?

What is the initial value of a on Line 7?

```
Output:
a = _____
b = ____
this.a = ____
b = ___
this.a = ____
method2() result = ____
b = ___
this.a = ____
```