Signature _____   **CSE 11**   Name _____

Quiz 1

cs11f ____   **Fall 2010**   Student ID _____

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

(Partial) Operator Precedence Table

Operators				Associativity
!	++	-- (pre & post inc/dec)		right to left
*	/	%		left to right
+	-			left to right
<	<=	>	>=	left to right
==	!=			left to right
&&				left to right
||				left to right
=				right to left

1. Which of the following <u>are</u> valid Java identifiers? (Circle your answer(s).)

```
this&that          _thisRthat          This_2_That          boolean

_9_2_5             n!ne_2_5            9_2_5                bool
```

2. Using the operator precedence table above, evaluate each expression and state what gets printed. Remember short-circuit evaluation with && and ||.

```
int a = 5;
int b = -2;
int c = 2;
boolean exp1 = a + b * c <= a + c * b;      _____      (value of exp1)

boolean exp2 = !(c + a > b);                _____      (value of exp2)

boolean exp3 = b - a >= c;                  _____      (value of exp3)

boolean z = exp1 && exp2 || exp3;

System.out.print( "z = " + z );      _____

z = exp3 || exp1 && !exp2;

System.out.print( "z = " + z );      _____

b = --b + ++a % 4 * c++ * 2;

System.out.print( "a = " + a );      _____

System.out.print( "b = " + b );      _____

System.out.print( "c = " + c );      _____
```

3. Where is the coordinate (0,0) in a graphics window? (Circle correct letter.)
   A. at the center of the window
   B. at the upper right corner of the window
   C. at the upper left corner of the window
   D. at the bottom right corner of the window
   E. at the bottom left corner of the window   **(Continued on other side)**

4. The naming convention for a class or interface name is (Circle correct letter)
        A. start with uppercase, rest mixed
        B. start with lowercase, rest mixed
        C. all lowercase letters with underscores
        D. all uppercase letters with underscores

5. What gets printed with each of the following statements?

```
int a = 2;
int b = 4;
int c = 6;

System.out.println( (a + b) + c + " = " + a + (b + c) );
```

     _____

```
System.out.println( a + (b + c) + " = " + (a + b) + c );
```

     _____

```
System.out.println( (a + b + c) + " = " + a + b + c );
```

     _____

6. What values of a and b would result in the following code printing "C"?

```
int a = _____ ;

int b = _____ ;

if ( (a > 1) || (b < -1) )
{
  if ( a > b )
  {
    System.out.println( "A" );
  }
  else
  {
    System.out.println( "B" );
  }
}
else if ( (a == 1) && (b <= -1) )
{
  System.out.println( "C" );
}
else
{
  System.out.println( "D" );
}
```

7. What is the symbol '!' affectionately known as in computer lingo?

     _____