

Student ID _____

CSE 5A

Name _____

Quiz 2

Signature _____

Fall 2004

cs5a _____

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

Operator Precedence Table

Operators					Associativity
- (unary)	++	--	!		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. Using the operator precedence table above, evaluate each expression and state what gets printed.

```
1a) int x;
     int a = 11;
     int b = 4;

     x = a % b * 3 - a + b;
     printf( "%d\n", x );
```

```
1b) int x;
     int a = 11;
     int b = 4;

     x = a / 2 + b - 4 * a;
     printf( "%d\n", x );
```

2. What gets printed in the following block of statements?

```
int a = 5;
int b = 8;
int c = 15;

if ( c <= a + b && !(b != c - a) )
    printf( "Yes\n" );
else
    printf( "No\n" );
```

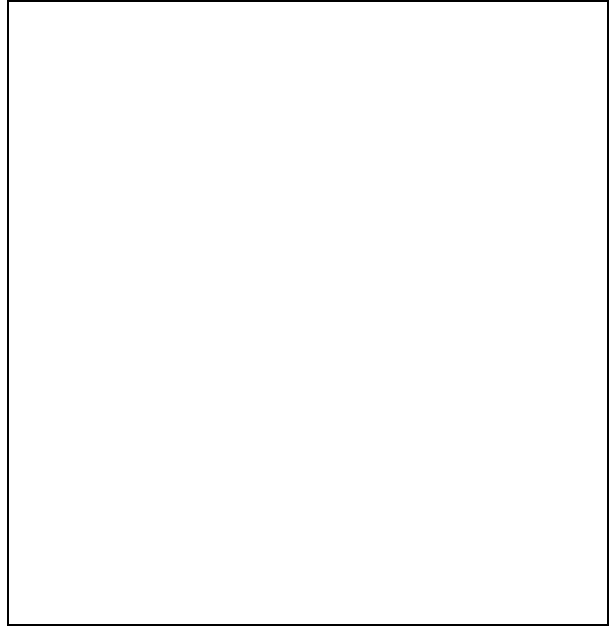
Output: _____

(continued on other side)

3. What gets printed?

```
void
main( void )
{
    int i;
    int j = 5;

    for ( i = 1; i <= j; ++i )
        printf( "%d %d\n", i, j + i );
}
```



4. What gets printed?

```
#include <stdio.h>

#define SIZE 10

void
main( void )
{
    int i;
    int a[SIZE];

    for ( i = 0; i < SIZE; ++i )
        a[i] = SIZE - i;

    for ( i = 0; i < SIZE; i = i + 2 )
        printf( "%d\n", a[i] );
}
```

