

Student ID _____

CSE 5A

Name _____

Signature _____

Quiz 2
Fall 2003

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 = 10;
     int b = 15;

     x = a + b * 2 - a % 3;
     printf( "%d\n", x );
```

```
1b) int x;
     int a = 10;
     int b = 15;

     x = b / 2 * 3 - a + 3;
     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 )
    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 = 0; i < j; ++i )  
        printf( "%d %d\n", i, j - i );  
}
```

