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

### Operator Precedence Table

<table>
<thead>
<tr>
<th>Operators</th>
<th>Associativity</th>
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<tbody>
<tr>
<td>- (unary)</td>
<td>right to left</td>
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<tr>
<td>++</td>
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<td>!</td>
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<td>*</td>
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<td>/</td>
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<td>%</td>
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<td>+</td>
<td>left to right</td>
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<td>-</td>
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<tr>
<td>&lt;</td>
<td>left to right</td>
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<td>&lt;=</td>
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<td>&gt;</td>
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<td>&gt;=</td>
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<td>==</td>
<td>left to right</td>
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<tr>
<td>!=</td>
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<td>&amp;&amp;</td>
<td>left to right</td>
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<td>=</td>
<td>right to left</td>
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<td>+=</td>
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<td>-=</td>
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<td>*=</td>
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<td>/=</td>
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1. Using the operator precedence table above, evaluate each expression and state what gets printed.

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

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

__________________

1b)
```c
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?

```c
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?

```c
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?

```c
#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] );
}