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>++</td>
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<tr>
<td>*</td>
<td>/</td>
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<td></td>
<td>%</td>
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<td>+</td>
<td>-</td>
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<td>-=</td>
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<td>*=</td>
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<td>/=</td>
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</table>

1. Using the operator precedence table above, evaluate each expression and state what gets printed.

1a) int x;
   int a = 13;
   int b = 4;

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

1b) int x;
   int a = 13;
   int b = 4;

   \[
x = a / 2 + b + 2 * a;
   \]
   printf( "\%d\n", x );

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

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

if ( !(c < b + 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 = 1;
    int j = 6;

    while ( i < j )
    {
        printf( "%d %d\n", i, j - i );
        ++i;
    }
}
```

4. What gets printed?

```c
#include <stdio.h>
#define SIZE 15

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

    for ( i = 0; i < SIZE; ++i )
        a[i] = i * 2;

    for ( i = 0; i < SIZE; i = i + 3 )
        printf( "%d\n", a[i] );
}