

Student ID \_\_\_\_\_

CSE 5A

Name \_\_\_\_\_

### Quiz 2

Signature \_\_\_\_\_

Summer 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 = 10;
      int b = 15;

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

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

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

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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: \_\_\_\_\_

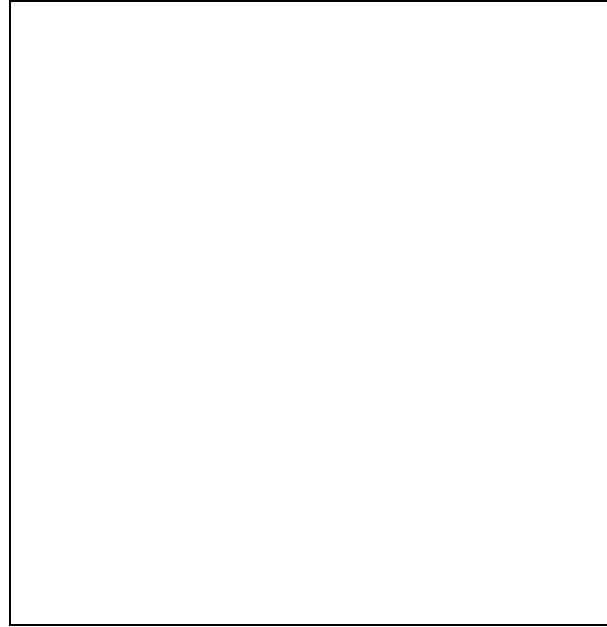
(continued on other side)

### 3. What gets printed?

```
#include <stdio.h>

void
main( void )
{
    int i = 1;
    int j = 5;

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

