

# Quiz #3

Time: 10 minutes

7 July 1992

0. What's your name?

1. What are the values of `x`, `y`, and `z` when this code is finished executing?

```
int x, y, z;

x=12; y=9; z=23;
x = y++ + ++z;      y = z / x;
if ( y > x )
    z = 119;
```

2. What are the values of `x`, `y`, and `z` when this code is finished executing?  
(**Caution!** This is a trick question.)

```
int x, y, z;

x=12; y=9; z=23;
if ( x = y )
    z *= 2;
```

3. What does this print? And are are the values of `x` and `y` when it is finished?

```
int x, y

x=7; y=9;
if ( --x > 6 && y++ > 8 ) printf("Foo.\n");
else printf("Bar.\n");
```

4. On the back of this sheet, write one sentence about each of three things that the preprocessor does.