

## Quiz #2

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Answer questions as indicated. All problems are worth 1 point each. Closed book/Closed Notes.

Problem 1. Variables must be declared before they are used. True False

Problem 2. `int x1;` declares `x1` to be a *real* variable. True False

Problem 3.   `if( r <= 0 )` tests if `r` is less than zero.                      True    False

Problem 4. `if( z = 0 )` tests if `z` is equal to zero. True False

Problem 5. `if( 4 != k )` tests if k is equal to four.      True    False

Problem 6. `int k = 3;` declares that `k` is a \_\_\_\_\_ variable.

Problem 7. `cout << "r: " << k+3;` will write: \_\_\_\_\_.

Write what will be printed (one character per location) by the program fragments below, if p is 3.

```
if( p != 2 )
    cout << "p is 3" << endl;
else
    cout << "p is 5" << endl;
```

Problem 9. (Extra points)

```
if( 5 >= p )
    cout << "\tn is ok" << endl;
else
    cout << "\tttoo big" << endl;
```

Problem 10.

```
if( p == 3 )
    cout << "p is: ok" << endl;
else
    cout << "p is: bad" << endl;
```

Age Group	Number of People
0-10	10
11-20	15
21-30	25
31-40	20
41-50	15
51-60	10
61-70	5
71-80	3
81-90	2
91-100	1