

Student ID _____

CSE 5A

Name _____

Quiz 3

Signature _____

Fall 2004

cs5a _____

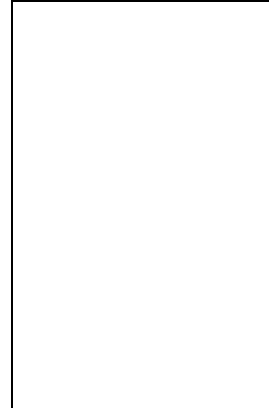
This quiz is to be taken **by yourself** with closed books, closed notes, no calculators.

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

```
#define SIZE 8

int i;
int array[SIZE] = { -1, 1, 3, 4, 6, 2, 11, 5 };

for ( i = SIZE - 1; i >= 1; i = i - 2 )
    printf( "%d\n", array[i] );
```



2. What gets printed?

```
#include <stdio.h>

int function1( char gee, int num );

void
main( void )
{
    int i = 13;
    int result;
    char j = 'G';

    result = function1( j, i );

    printf( "%d\n", result );
}

int
function1( char gee, int num )
{
    int i = num - 3;

    if ( (gee == 'G') && (num <= 15) )
        printf( "%c wiz!\n", gee );
    else
        printf( "Tickle me in my %c spot!\n", gee );

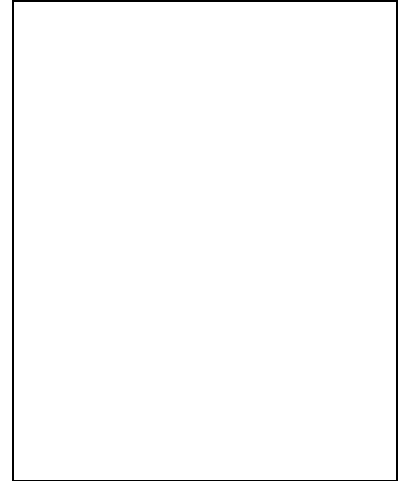
    return ( i + num );
}
```



(continued on other side)

3. What gets printed?

```
1  #include <stdio.h>
2  #define SIZE 5
3  int function2( int num, int times );
4  void
5  main( void )
6  {
7      int array[SIZE] = { 3, 5, 1, 3, 2 };
8      int result;
9      int i;
10
11     for ( i = 0; i < SIZE; ++i )
12     {
13         result = function2( array[i], i );
14         printf( "%d\n", result );
15     }
16
17     int
18     function2( int num, int times )
19     {
20         int result = 0;
21
22         result = num * times;
23
24         return result;
25     }
```



Use the following to answer the questions below:

- C Preprocessor define
- Function Prototype
- Local Variable
- Return Type
- Function Definition
- Formal Parameter
- Actual Argument

What is the `array[i]` in the function call to `function2()` on line 12?

What is `times` in `function2()` on line 17?

What is `result` in `function2()` on line 19?