

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

CSE 5A

Name \_\_\_\_\_

Quiz 3

Signature \_\_\_\_\_

Fall 2006

cs5f \_\_\_\_\_

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] = { 6, 2, 9, -4, 3, 12, 8, 7 };

for ( i = SIZE - 2; i >= 0; i = i - 2 )
    printf( "%d\n", array[i] );
```



2. What gets printed?

```
#include <stdio.h>

int function1( char ewe, int num );

int
main( void )
{
    int i = 15;
    int result;
    char j = 'U';

    result = function1( j, i );

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

    return 0;
}

int
function1( char ewe, int num )
{
    int i = num - 5;

    if ( (ewe == 'U') && (i >= 15) )
        printf( "C %c later!\n", ewe );
    else
        printf( "Eye C %c!\n", ewe );

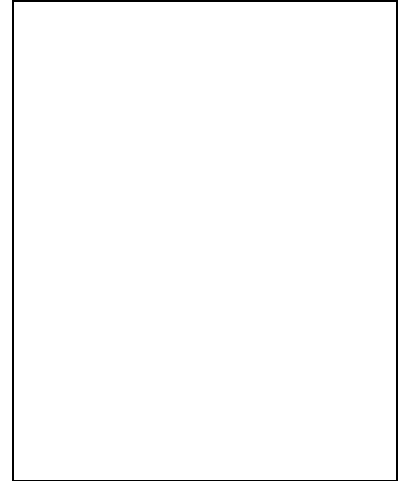
    return ( i + num );
}
```



(continued on other side)

### 3. What gets printed?

```
1  #include <stdio.h>
2  #define SIZE 5
3  int function2( int num, int times );
4  int
5  main( void )
6  {
7      int array[SIZE] = { 9, 4, 3, 2, 1 };
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     return 0;
18 }
19
20 int
21 function2( int num, int times )
22 {
23     int result = 0;
24
25     result = num * times;
26
27     return result;
28 }
```



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 line 3?

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

What is `array` in `main()` on line 7?