

Quiz 7

15 December 2011

1. The following program uses functions with some reference parameters. What is the output? Recall that a reference parameter acts as an alias for another variable.

```
#include <stdio.h>

int grok(int x, int& y, int& z)
{
    x = x + y;
    y = x + z;
    z = x + y;
    return x+y+z;
}

int main()
{
    int y = 2, z = 3, w = 4;
    int b = grok(y,z,w);
    printf("%d,%d,%d,%d\n", y,z,w,b);
    return 0;
}
```

2. The following program uses an array. What is the output? Also show your work.

```
#include <stdio.h>

int main()
{
    const int SIZE = 5;
    int a[SIZE];
    for(int i = 0; i < SIZE; i++) {
        a[i] = i+1;
    }
    for(int i = SIZE-1; i > 0; i--) {
        a[i] = a[i-1] + a[i];
    }
    printf("%d, %d\n", a[2], a[3]);
    return 0;
}
```