

Quiz 6

15 December 2011

1. The following program uses functions that return values. What is the output?

```
#include <stdio.h>

int meep(int x, int y)
{
    return 2*x + y;
}

int moop(int z)
{
    printf("%d\n", meep(z,4));
    printf("%d\n", meep(3,z));
    return z-1;
}

int main()
{
    int x = moop(3);
    int z = moop(moop(4));
    printf("%d, %d\n", x, z);
    return 0;
}
```

2. The following program uses functions and loops. What is the output?

```
#include <stdio.h>

bool am_I_done(int x, int y)
{
    return x == y || x == 0 || y == 0;
}

void do_something(int x)
{
    for(int i = 0; i < x; i++)
    {
        printf("=");
    }
    printf("\n");
}

int main()
{
    // Recall: "!" means not... it converts false->true or true->>false.
    for(int x = 5; ! am_I_done(x,2); x--)
    {
        do_something(x);
    }
    return 0;
}
```