

**ECE 417/617 Assignment #1**

What is the output of the following program? Work out the solution by hand, then check with a computer.

```
#include <iostream>
using namespace std;

int Func(int a, int* b)
{
    a++;  *b *= 3;  return a*(*b);
}

class Time
{
public:
    Time() { printf("constructor\n"); }
    ~Time() { printf("destructor\n"); }
    int Func(int a, int* b) { return a * (*b); }
private:
    int hours, minutes, seconds;
};

int main ()
{
    int c = 2, d = 4, e(3);
    int f = Func(c, &d);
    printf("A:  %d %d %d\n", c, d, f);

    Time t;
    int g = t.Func(e, &e);
    printf("B:  %d %d\n", e, g);
    cout << g << endl;

    Time* h = new Time;
    cout << "hello" << endl;
    delete h;

    return 0;
}
```