EECE.3220 Spring 2019: Exam 1
Class and Structure Definitions

Box structure definition for Question 2
```
typedef struct {
   double W;          // Width of box
   double L;          // Length of box
   double H;          // Height of box
} Box;
```

Function definitions for Question 3
```
void f1(int v1, int &v2) {
   int temp = v1;
   v1 = v2;
   v2 = temp;
}

void f2(int *v3, int v4) {
   int temp = *v3;
   *v3 = v4;
   v4 = temp;
}

void f3(int *v5, int &v6) {
   int temp = *v5;
   *v5 = v6;
   v6 = temp;
}
```

Class definition for Question 6

```
class E1Class {
public:
   E1Class();
   E1Class(int i, char c, double d);
   void changeAll(int v1, int v2, char v3, char v4,
                  double v5, double v6);
   void printVars(ostream &out);
private:
   int m1, m2;
   char m3, m4;
   double m5, m6;
   int someHelp(int value);
};
```