Please read all the questions carefully and raise your hand for assistance if you have any questions. Keep your answers brief.

1.) Suppose we see the following line of code in a program:

```
ifstream thing("some.txt")
```

(a) What is the significance of identifier "thing" in this line of code?

"thing" is a variable of type ifstream, a file stream.

(b) What happens when this line of code is executed?

This declares variable thing and, assuming nothing goes wrong, it opens a file named some.txt in the current directory and initializes thing so it is an input stream referring to that file.

2.) In yesterday's lecture, two ways of measuring the "goodness" of a module design were described. For each of these, circle whether a **good** design should minimize or maximize that quality.

```
Coupling: Minimize Maximize (circle one)

Cohesion: Minimize Maximize (circle one)
```

3.) Something non-trivial is wrong with the following code. What is it? (If you find a missing semicolon or some other punctuation error, that's not it.)

```
class Order {
public:
                                                These two statements attempt to
    float totalPrice;
                                                alter private data belonging to
    void SetName(string aName);
                                                anOrder. That protection
    void SetCreditCard(int aCard);
                                                violation will be caught by the
private:
                                                compiler.
    int creditCard;
    string name;
};
void processOrder(Order & anOrder, string aCustomer, int aCreditCard,
                                                    int quantity, float unitPrice) {
    anOrder.name \angle = aCustomer;
    anOrder.creditCard = aCreditCard;
    anOrder.totalPrice = quantity * unitPrice;
}
```