

You will attach this as a cover sheet to your entire, stapled problem set. As usual, with programs you've typed in, include screenshots.

1. Read Sections 5.4 & 5.5 in your textbook – we'll save the GUI material for a bit later. Write down the Objectives for Chapter 5.
2. As you've seen, methods are defined & declared as follows:

```
<visibility modifier> <return type> <method name> (<parameter list>) {  
    // implementation code  
}
```

What I want you to do is go back and find a *whole bunch* (i.e., ten) examples of method declarations we've already seen in this class. You should include at least a few from Javabat, one from a GUI program, etc. The goal of this is to exhaustively list examples so we can see that they all fit into the format above.

3. Imagine you have a method in your Gradebook class called `calcAverage` that is declared like this

```
public double calcAverage(double score1, double score2, double score3) {  
    // implementation here - not shown  
}
```

now, elsewhere in your program you have a Gradebook object called `g`. You want to calculate an average as follows:

```
double average = g.calcAverage(55, 92, 77);
```

Given all this information, do the following:

- a. Label the *actual* parameters and *formal* parameters above. What's the difference between these ideas?
 - b. Write the *implementation* of the `calcAverage` method.
 - c. Identify all the *local* variables in your implementation.
4. Define *scope* and *lifetime* of variables in your own words.
 5. Work Exercise 5.5 #3 (all of a,b, and c)(p. 183)
 6. Work Review Questions 1 - 4 (p. 195)