Before writing your solutions commit yourself to being correct and clear throughout your arguments. In order to receive any credit the grader must be able to follow your arguments.

**This is an individual assignment.** While you may discuss the problems with your colleagues, you will write up your own individual solutions.

1. (25 points) Problem 1 page 155.
2. (25 points) Problem 2 page 156.
3. (20 points) Problem 1 page 170.
4. (10 points) Problem 2 page 170.
5. (20 points) Read section 4.7 in the textbook and the exercises that follow. Write a two page report about parameter identification problems.