Write the following text on the front cover of your homework assignment and sign it. If the text is missing, 20 points will be subtracted from your homework grade.

Honor Pledge for Graded Assignments
"I affirm that I have not given or received any unauthorized help on this assignment, and that this work is my own."

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Signature _____

1. 20 points: Chapter 1, Problem 2 (page 23).

2. 20 points: Chapter 1, Problem 15a, 15b, and 15c (page 24).

3. 20 points: Chapter 1, Problem 17 (page 24).

4. 20 points: Chapter 1, Problem 18 (page 24).

5. 20 points: Chapter 1, Problem 24 (page 25).

Submit your homework electronically (single file, pdf format required) to

https://www.dropbox.com/request/b0nDoCTmYxfaanhMSLWP

The name of the file should be HW01FLYYYYYYYY.pdf where F is your first name, L is your last name, and YYYYYYYY is your student id number. For example, HW01FrankWolfs12345678.pdf.

Please print your name on each page of your solutions. Since we may print your assignment before grading it, having a name on each printed page makes it much easier to ensure we grade all of your work!

6. 20 points extra credit: Use Mathematica to solve Problem 15 and 18 of Chapter 1 (Problem 2 and 4 on this homework assignment). In order to receive the extra credit, you should create a Mathematica Notebook, showing the relevant calculations, and submit it electronically to Prof. Wolfs at wolfs@pas.rochester.edu. The name of the file should be hw01p06FLYYYYYYYY.nb where F is your first name, L is your last name, and YYYYYYYY is your student id number. The subject of the email should start with hw01p06FLYYYYYYYY. If you use Mathematica results also as part of

the solutions of Problems 2 and 4, you should print out the Notebook and attach it to the assignment you hand in. Make sure you refer to these calculations in your written solutions of these problems. **But remember**: on exams you will not have access to Mathematica so you still need to understand how to work these problems out by hand.