

Math 213, Section X1, Spring 2006
HW Assignment 1

Name:

Instructions:

1. Write your name **legibly** in the space provided.
2. Do the problems in order, and make sure that each problem is clearly labelled.
3. Staple this cover sheet to the assignment. (No loose sheets!)
4. **Write-up:** For full credit it is essential that you write up your solution in a clear, logical manner, and explain any key steps.
5. **Deadline:** The assignment is due in class on Friday; late homework, or homework dropped off in mailboxes, will not be accepted. (You can, of course, turn in the homework early, in my office, any time before the due date).
6. **Tips:** The problems are taken from the even-numbered problems in the Rosen text. Most are similar to odd-numbered problems from the day-to-day non-graded assignments, for which there are answers in the back of the Rosen text and detailed solutions in the “Student Solution Guide”. Think of the non-graded assignments as a warmup or practice for the graded HW assignments. If you have been diligent in doing these non-graded assignments, as well as the daily reading assignments, you should have no difficulty with the graded assignment (and the same goes for exams).
7. **Open House:** I will have an “Open House” Wednesday, 5 - 6 pm, in 147 Altgeld. This is intended as a very informal office hour. Feel free to stop by with questions about the homework or anything else relating to this course! (I might have to change the dates/times in the coming weeks, but this week it will be on Wednesday.)

Problems:

For multi-part problems do all parts unless otherwise indicated.

1. **Section 1.6:** 8, 24(a)(d)
2. **Section 1.7:** 2, 4, 10, 18 (give a formal proof as in Friday’s class example), 20(a)(b)
3. **Section 1.8:** 6(a)(b)(c), 12, 18, 28, 56