

Assignment #6 (CORRECTED)

Due 5/10/06

Midterm: *Friday, May 5, in class. It will cover everything we've done in Chapters 1–8.*

Reading

- Chapter 9.

Part I (OPTIONAL—NOT TO BE HANDED IN)

The most important things to do to study for the midterm are (1) read the chapters and make sure you know all the definitions, and (2) go back over Assignments 1–5 and make sure you know how to do every problem that's been assigned. If you've done that, and are looking for more problems to practice on, here are some to try. Don't try doing all of these; just choose a few types of problems on which you feel you need more practice, and do those.

- A. Part I, Exercises 1.2, 1.5, 2.3, 3.1, 3.4, 3.6, 3.7, 3.8, 4.1, 4.4, 5.1, 5.5.
- B. Pages 53–57, Problems 1, 3, 7, 13, 17, 20, 21, 24, 25.
- C. Part II, Exercises 7.5, 7.6, 7.7, 7.8, 8.3.
- D. Pages 115–119, Problems i(iii), 4, 8, 11, 13, 14.

Part II

The following problems are your first three portfolio problems. Rewrite the proof of each of these problems in paragraph form, following all the conventions for writing mathematical proofs outlined in Handout #4. Write this draft on your own. (After you get feedback on this draft, your next draft will be a group project with your writing group.) Bring three copies to class on Wednesday, May 10.

- E. Page 55, Problem 14.
- F. Page 115, Problem 1(ii).
- G. Page 116, Problem 7.