

WRITTEN HOMEWORK #2, DUE APRIL 16, 2010

Unless explicitly noted, you are to justify all of your responses with work and/or proofs.

- (1) Exercise A6 from Appendix A of the text.
- (2) Exercise A9 from Appendix A of the text.
- (3) Exercise A12 from Appendix A of the text.
- (4) Exercise A20 from Appendix A of the text.
- (5) Exercise 1.2 from Chapter 1 of the text. In part (c), you are asked to prove a statement which we said was true in class. You are to fill in the details of why that statement is true in this problem.
- (6) Exercise 1.3 from Chapter 1 of the text. In part (c), you are asked to prove a statement which we said was true in class. You are to fill in the details of why that statement is true in this problem.
- (7) Exercise 1.7 from Chapter 1 of the text.
- (8) Exercise 1.8 from Chapter 1 of the text.

Suggested Exercises: Exercises 1.4, 1.5, and 1.6 are all interesting and will give you some experience with calculations that are skimmed over in the text. Exercise 1.1 is fairly straightforward but you might want to try it out.

You don't have to do the suggested problems (and if you do, please don't attach them with the assignment you turn in), but they should be educational and it's a good idea to try them out if you are serious about learning the material well.