Assignment 4 (7/31)

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This homework is due in class on Friday, 8/4. You may cite results from class as appropriate. Unless otherwise stated, you must provide a complete explanation for your solutions, not simply an answer. You are encouraged to work together on these problems, but you must write up your solutions independently.

You are encouraged to think about the problems marked with a ($\star$) *if you have time, but you don't need to hand them in.*

Problem 0$\star$

Read section 2.4, 3.1. In particular, note the examples 3.1.(10, 11). To get an idea of possible applications of the material we covered today, look at problems 2.4.49, 3.1.53 and 3.1.54. Try solving them if you have time.

Problem $\epsilon\star$

Work out the True/False problems at the end of chapter 2. There are 62 of them in total.

Problem 1

Problems 2.4.(1, 8, 25, 26, 27, 32, 33, 47, 55, 60, 76).

Problem 2$\star$

Problems 2.4.(82, 83, 84).

Problem 3

Problems 3.1.(2, 7, 12, 19, 20, 24, 34, 35, 44, 51).