

## Week 1.

Homework: Due Wednesday September 14.

Read Chapter 1 of Rudin.

**Problems to turn in** (these are the problems that you must do and turn in):

page 21 problems: 1, 2, 3, 5, 6, 7, 8

**Additional suggested problems** (These are problems that you might want to try at your leisure. They contain important information and provide additional practice. I strongly recommend that you at least read them. You are NOT required (and should NOT) turn them in. Solving these problems will be good practice for the exams.)

page 21 problems 4, 9, 12, 13, 14