

## Math 381: Homework 4

This is the fourth homework assignment for Math 381. Please do the problems below, write them up according to the syllabus guidelines and submit your packet in the appropriate box outside my office by 10:00AM on Thursday, March 20th. If you get stuck on any part of the homework, please come and see me. More importantly, have fun!

**Problem 1.** *Please do Exercise 4.10 of the course notes.*

**Problem 2.** *Please do Exercise 4.11 of the course notes.*

**Problem 3.** *Please do Exercise 5.1 of the course notes.*

**Problem 4.** *Please do Exercise 5.1 of the course notes.*

**Problem 5.** *Please do Exercise 5.3 of the course notes.*

**Problem 6.** *Please do Exercise 5.4 of the course notes.*

**Problem 7.** *Please do Exercise 5.5 of the course notes.*