

Math 381: Homework 2

This is the second homework assignment for Math 381. As you have two weeks to complete this assignment (others will be only one week), this assignment is approximately twice as long as subsequent ones and you should budget your time appropriately. Please submit 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, February 27th. If you get stuck on any part of the homework, please come and see me. More importantly, have fun!

Problem 1. *Please do Exercise 3.1 of the course notes.*

Problem 2. *Please do Exercise 3.2 of the course notes.*

Problem 3. *Please do Exercise 3.3 of the course notes.*

Problem 4. *Please do Exercise 3.4 of the course notes.*

Problem 5. *Please do Exercise 3.5 of the course notes.*

Problem 6. *Please do Exercise 3.6 of the course notes.*

Problem 7. *Please do Exercise 3.7 of the course notes.*

Problem 8. *Please do Exercise 3.8 of the course notes.*