

# Assignment 18 (11/8)

Subhadip Chowdhury

*This homework is due at the beginning of class on Friday 11/17. 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 (\*) if you have time, but you don't need to hand them in.*

Remember that you can always use the result of the previous assignment problems without proof to solve the new assignment problems.

## Problem 0★

Over this week we will be covering chapter 15. Try to read the corresponding sections from book everyday after class. Once you have solved a homework problem, look up the nearby exercises to understand how else a similar problem could be formulated. Also look through all the examples in the section.

Midterm 2 is next week Wednesday.

## Problem 1

Problems 15.6.(3, 8).

## Problem 2

Problems 15.9.(2, 5, 7, 12, 15). We will discuss more problems from this section next class.