

# Assignment 14 (10/30)

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*This homework is due at the beginning of class on Friday 10/20. 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.

There will be a quiz next Monday.

## Problem 1

Problems 15.1.(15, 18, 20, 29, 33, 34).