Submit this homework through Gradescope. If you are not familiar with Gradescope, check the website for an instruction on how to use Gradescope.

Solve the following problems in the textbook. Please show your work.

- Section 85-86 page 264-265, problems 1, 4, 5, 9.

**Academic Integrity for the homework:** For the homework, you are allowed to discuss the homework problems with your classmates, Shubham and also me. But you need to write your solution down all by yourself. Simply copying the solution from other sources will be regarded as academic violation.

**Note:** Depending on the assigned workload for our grader, possibly only a subset of the questions will graded. But you are supposed to finish all the above problems.