
**Submissions:** This assignment is due in class on Mon Nov 5th, 2018. Each student must submit his or her own assignment. Solutions can either be typed in Latex, MSWord or other such word processing software, or printed clearly. You must write your name and UUID clearly on your submitted assignment.

**Academic Integrity:** You are encouraged to work in groups, but everyone must write out their own solutions. Absolutely no word to word copying is allowed. Please refer to the course policies and schedules about this. If you have worked with other students on the assignment or referred to external sources, please mention all names and sources on your assignment.

**Partial solutions:** If you are sure that you know how to arrive at a solution, but you get stuck in some place, it is better to write the partial solution. Honest attempts at partial solutions will be awarded.

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Problem 1 [10 + 10 = 20 pts]: Problem 10, Sec 5.1 from the book.

Problem 2 [15 pts]: Problem 36, Sec 5.1 from the book.

Problem 3 [20 pts]: Problem 8, Sec 5.2 from the book.

Problem 4 [20 pts]: Problem 10, Sec 5.2 from the book.

Problem 5 [15 pts]: Problem 26, Sec 5.3 from the book.

Problem 6 [10 pts]: Problem 44, Sec 5.3 from the book.