

Homework 3 – Due 4pm, Wednesday, July 15

Problems are taken from exercises in texts. Please write neatly and show all your work. If your homework solutions require multiple pages, please staple them together. Always read the texts before working on problems. Make use of office hours provided by teaching staff if you find problems difficult. Submit your homework to your instructor either in lectures or under your instructor's office door. No late homework will be accepted.

In this assignment, please use the limit definition to compute derivatives. You will not receive full credits if you use derivative shortcuts from chapter 3.

- Section 2.6
6, 10(a)(b), 14, 20, 22, 44(a)(b)
- Section 2.7
10, 14, 26, 38, 44
- Section 2.8
2, 6, 12, 16, 24, 28

Hint for problem 6: which curve represents f and which one represents its derivative f' ?

Remark: if you are using a previous edition of the textbook, feel free to contact your instructor to get the corresponding problem numbers in the old book.