Math 27400 Homework 3
Due Wednesday, Apr 24 in class

Reading
Read the following parts in the textbook:
• Section 1.8 - up to and including p. 51.
• Sections 2.1, 2.2.
(As usual, you are encouraged to attempt as many exercises as you can.)

Problems
In order to receive full credits, you must show all the work leading to your solution. You may of course collaborate with others, but you must write up your solutions independently.

#1 Do the following problems from the textbook:
1.8 2, 3, 7 (just do $k = 1$ and $k = 3$),
8, 9.
2.1 2, 3, 7, 8, 10.
2.2 4 (you may use the result of the exercise mentioned in the hint),
6.