Homework 1

Due Date: Friday January 13, 2012.

For users of the 3rd edition, if there is a difference between editions, this will be denoted using []'s. Hence this assignment is from 5.1 (4th ed) and 4.1 (3rd ed). Also, for example, problem 6 is exercise 50 (4th ed) or exercise 39 (3rd ed). Hopefully, this will allow all to find the correct problems to do.

From Exercise Set 5.1 [4.1]:

Problem 1. (2 pts.) Problem 13

Problem 2. (2 pts.) Problem 16

Problem 3. (2 pts.) Problem 26

Problem 4. (2 pts.) Rewrite

\[ \sum_{k=1}^{m+1} k^2 \]

by separating off the final term.

Problem 5. (2 pts.) Problem 44 [33]

Problem 6. (2 pts.) Problem 50 [39]

Problem 7. (2 pts.) Problem 57 [56]