

**Math 203, Section 51**  
**Analysis in  $\mathbb{R}^n$  (Autumn 2009)**

Homework 7 (due 11/20/2009).

Chapter 4, problems: 4.3.25, 4.3.28, 4.3.32, 4.3.35 i), 4.3.38, 4.4.3, 4.4.4.

1. Prove the statements in Example 4.3.19 v).

Also carefully read Chapter 4 Section 4 until 4.4.11.

Extra problems to try: 4.3.35 ii).

**Midterm (11/18/2009)** will cover Chapter 3 sections 9 and 10.2 and Chapter 4 sections 1, 2, 3 and 4 until 4.4.11.

Test Format: 10 true-false questions (3 pts each), 3-5 10-30 points questions.