Eleventh Homework: MATH 410
Due Tuesday, 17 November 2009

1. Exercise 1 of Section 6.1 in the text.
2. Exercise 3 of Section 6.1 in the text.
3. Exercise 6 of Section 6.1 in the text.
4. Exercise 7 of Section 6.1 in the text.
5. Exercise 2 of Section 6.2 in the text.
6. Exercise 4 of Section 6.2 in the text.
7. Exercise 6 of Section 7.3 in the text.
8. Exercise 10 of Section 7.3 in the text.
9. Prove (5) on page 2 of the lecture notes.
10. Prove the last assertion of Lemma 1.3 in the notes.
11. Prove Theorem 1.4 in the lecture notes.
12. Prove Theorem 1.5 in the lecture notes.