

Functional Analysis — Problem Set 6
Issued: 21.4.10 Due: 3.5.10, in class

- 6.1.** Conway, page 103, prove Proposition 1.15.
- 6.2.** Conway, page 105, exercise 22.
- 6.3.** Conway, page 107, exercise 2.
- 6.4.** Conway, page 108, prove for LCS (a) iff (f) in Theorem 3.1.
- 6.5.** Conway, page 128, exercise 5. (Bonus)
- 6.6.** Conway, page 131, exercise 3.
- 6.7.** Conway, page 170, exercise 1.
- 6.8.** Conway, page 170, exercise 3.
- 6.9.** Conway, page 170, exercise 6.

You can find the problems by looking up Conway's book, 2nd edition, at google books.