

MATH 104-1: Introduction to Analysis

Homework #11

Due November 25, 2015

All problems are from Lebl, *Basic Analysis*, unless stated otherwise. If you use an exercise that has not been shown on a previous assignment or in class, prove it first before applying it.

Please turn in this assignment to Hongbin Sun's office in 751 Evans, which is next to my office in 749 Evans. You may also turn it in before or after class on Monday, November 23.

1. Lebl Exercise 7.1.6
2. Lebl Exercise 7.1.7
3. Lebl Exercise 7.2.1
4. Lebl Exercise 7.2.3
5. **Lebl Exercise 7.2.4** (Note change in exercise from 7.2.7)
6. Lebl Exercise 7.2.10
7. **Lebl Exercise 7.2.12** (Note change in exercise from 7.2.11)
8. SKIP