

MATH 104-02: Introduction to Analysis

Homework #2

Due September 18, 2013

1. Ross Exercise 4.5
2. Ross Exercise 4.8
3. Ross Exercise 4.9
4. Ross Exercise 4.14
5. Ross Exercise 5.6 (in Chapter 5, $\sup S$ and $\inf S$ are allowed to be $\pm\infty$
– see Example 1 in Section 5 of the book on how to deal with $\pm\infty$)
6. Ross Exercise 8.2(a)(c)(e)
7. Ross Exercise 8.4
8. Ross Exercise 8.5
9. Ross Exercise 8.9