

Part I: Read and Respond (prepare for class π Day: Friday, March 14)

Carefully read the rest of Section 3.2, taking notes for yourself and answering the following questions to turn in as your Part I assignment. Review the syllabus for parts (a)–(c) that should be included in this assignment.

Reading Questions

1. How does “the second statement in Theorem 3.2.13 follow quickly from the first using the observation that $(E^C)^C = E$ for any set $E \subseteq \mathbb{R}$ ”?

Part II: Exercises (prepare for class for π Day: Friday, March 14)

1. Exercise 3.2.4
2. Exercise 3.2.7b
3. Exercise 3.2.9b (assume part (a))

Part III: Problems (due Wednesday, March 12 at the beginning of class)

1. (I) Exercise 3.2.10 parts (i) and (ii); you’re welcome to do (iii) if interested (bonus)
2. (P) Exercise 3.2.6