

Twelfth Homework: MATH 410
Due Monday, 18 November 2019

1. Exercise 2 of Section 6.3 in the text.
2. Exercise 1 of Section 6.4 in the text.
3. Exercise 3 of Section 6.4 in the text.
4. Exercise 6 of Section 6.4 in the text.
5. Exercise 9 of Section 6.4 in the text.
6. Prove Proposition 10.1 in the lecture notes
7. Prove Proposition 10.2 in the lecture notes
8. Prove Proposition 10.3 in the lecture notes
9. Prove Proposition 10.6 in the lecture notes
10. Prove Theorem 10.5 in the lecture notes
11. Prove Lemma 10.3 in the lecture notes.
12. Prove the claim made in the proof of Proposition 10.9 in the lecture notes.
13. Show that the Cantor set has measure zero.