

First Homework: MATH 410
Due Wednesday, 5 September 2018

1. Exercise 2 of Section 1.1 in the text.
2. Exercise 5 of Section 1.1 in the text.
3. Exercise 13 of Section 1.1 in the text.
4. Exercise 14 of Section 1.1 in the text.
5. Exercise 19 of Section 1.1 in the text.
6. Exercise 2 of Section 1.2 in the text.
7. Exercise 4 of Section 1.2 in the text.
8. Exercise 5 of Section 1.2 in the text.
9. Exercise 3 of Section 1.3 in the text.
10. Exercise 4 of Section 1.3 in the text.
11. Exercise 11 of Section 1.3 in the text.
12. Exercise 17 of Section 1.3 in the text.
13. Use the Field Axioms to show that $(-1)^2 = 1$.
14. Use the Ordered Field Axioms to show that $0 < 1$.