

Seventh Homework: MATH 410
Due Wednesday, 14 October 2020

1. Exercise 6 of Section 3.1 in the text.
2. Exercise 9 of Section 3.1 in the text.
3. Exercise 2 of Section 3.5 in the text.
4. Exercise 4 of Section 3.5 in the text.
5. Prove the product and composition assertions of Proposition 5.2 in the notes.
6. Exercise 1 of Section 3.2 in the text.
7. Exercise 5 of Section 3.2 in the text.
8. Exercise 1 of Section 3.3 in the text.
9. Exercise 6 of Section 3.3 in the text.
10. Exercise at the end of Section 5.3 in the notes.
11. Exercise at the end of Section 5.4 in the notes.
12. Exercise 2 of Section 3.7 in the text.
13. Exercise 9 of Section 3.7 in the text.
14. Prove Proposition 5.6 in the notes.
15. Prove Proposition 5.8 in the notes.
16. Prove Proposition 5.10 in the notes.
17. Exercise 6 of Section 3.6 in the text.
18. Prove Proposition 5.14 in the notes.