Math 540: Exercises for Week 10

Reading: Hatcher Section 2.2, 2.3

1. Hatcher 2.2.28

2. Hatcher 2.2.29 [This is an important example; it’s possible that we’ll end up elaborating on it in class if we have time at the end of the week.]

3. Hatcher 2.2.31-32

4. Hatcher 2.2.35 [Also particularly recommended.]

5. Hatcher 2.2.38 [We’ll briefly use this algebra lemma at the end of Wednesday’s lecture.]

6. Hatcher 2.2.41

7. Hatcher 2.3.2

8. Hatcher 2.3.3

9. Hatcher 2.3.4