## Math 540: Exercises for Week 11

Reading: Hatcher Section 3.1 and 3.2

- 1. Hatcher 3.2.1 [This is particularly fun.]
- 2. Hatcher 3.2.3
- 3. Hatcher 3.2.7
- 4. Hatcher 3.2.8
- 5. Hatcher 3.2.11
- 6. Try to do the computation in Example 3.8 yourself before reading through it, by analogy to what we did in class for the orientable case.