Math 525: Problem Set 4

Due date: In class on Wednesday, September 30.
Course Web Page: `http://dunfield.info/525`
Office hours: Mondays from 11-12, Tuesdays from 11:15 - 12:15, and by appointment. For an appointment, just talk to me after class, or email me at `nmd@illinois.edu`.
Required Text: Allen Hatcher, *Algebraic Topology*,
`http://www.math.cornell.edu/~hatcher/AT/ATpage.html`

1. Read the section "Attaching spaces" in Chapter 0 of Hatcher (bottom of page 12 through top of page 14). Then do Chapter 0, Problem 20.

2. Hatcher, Section 1.2, Problem 7.

3. Hatcher, Section 1.2, Problem 9.

4. Hatcher, Section 1.2, Problem 12.

5. Hatcher, Section 1.2, Problem 14.