

Math 525: Problem Set 6

Due date: In class on Friday, Oct 16.

Important note: The inclass midterm is Friday, Oct 16.

Office hours: This week only my office hours will be: Monday from 11-12, Tuesday from 11:15 - 12:15, Wednesday 12-1, Thursday 3-4 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. Hatcher, Section 1.3, Problem 12.
2. Hatcher, Section 1.3, Problem 15.
3. Hatcher, Section 1.3, Problem 20.
4. Hatcher, Section 1.3, Problem 23.
5. Hatcher, Section 1.3, Problem 31.