

## Math 418: Problem Set 6.

**Due date:** In class on Friday, March 19.

**Webpage:** <http://dunfield.info/418>

**Office hours:**

- Week of March 8: Monday 10-11, Wednesday 3-5.
- Week of March 15: Wednesday 10-11, Thursday 3-5.
- and by appointment.

All problems are from Dummit and Foote, *Abstract Algebra*, 3rd edition.

1. Section 14.1, #5.
2. Section 14.1, #9.
3. Section 14.1, #10.
4. Section 14.2, #2.
5. Section 14.2, #6.
6. Section 14.2, #13.
7. Section 14.2, #15.