

Math 418: Problem Set 2.

Due date: In class on Wednesday, February 3.

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

Office hours: Monday 10-11, Tuesday 3-5.

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

1. Section 8.1 #10.
2. Section 8.2 #5.
3. Section 8.3 #6.
4. Section 8.3 #11.
5. Section 9.3 #1.
6. Section 9.3 #4.