

Math 418: HW 6 due Friday, March 20, 2015.

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

Office hours: No office hours the week of March 9, then back to Monday and Tuesday, 2:30–3:30pm. Also, since this assignment is due on Friday, I will have extra office hours Wednesday March 18 from 2:30–3:30pm, and Thursday March 19 from 3–4pm.

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.