Due Friday 10/26/2012 by 12pm in homework box in basement

**Reading assignment:** Read Chapter 5 of Dummit and Foote, and begin to read Section 6.1. The midterm on Wednesday October 31 will cover up through Chapter 5 only. You should study semidirect products for the midterm, even though we won’t have homework problems about them due until later.

**Exercises:**
All exercise numbers refer to Dummit and Foote, 3rd edition.

Section 4.5 #12, 14, 15, 27, 32, 33, 34, 38

Section 5.1 #18 (look over exercise 17 first.)