Due 1/28/2011 by 5pm in homework box

All exercise numbers refer to Dummit and Foote, 3rd edition. I like to list all exercises that I think are interesting. It is good to think about extra exercises if you can (at least look over the statements of the ones you don’t have time to do.) However, only the exercises that are marked with a star are to be handed in for grading.

Reading assignment: 13.1, 13.2, and begin to read 13.4. I will talk about 13.3 later only if time permits.

Section 12.2, #1, 4*, 5, 8, 9* (first two matrices only), 11, 13, 15* (in other words you are looking for matrices $A$ with $A^4 = I$), 17*, 18, 19.

Section 12.3: #2, 5, 7*, 9, 17*, 19, 22, 25, 26, 29*, 30*, 31, 37*, 38*.