

Math 8202

Homework 7

PJW

Date due: March 30, 2009. There will *not* be a quiz on this date. Hand in only the 5 starred questions.

The week of March 16 is Spring Break, and the week after that I will be in Germany at a meeting. Because of this I have decided to do something I have not done before, which is to **cancel class** on the three days March 23, 25, 27. I think we are making quite good progress. The topics remaining to be covered are: Hilbert's Basis Theorem (6.3), modules, free and projective properties, exact sequences (7.1), Jordan-Hölder and Noetherian properties for modules (8.2), modules over a PID (9.1), canonical forms for matrices (9.2-9.4) and bilinear forms. If I cancel the week of March 23 there still remain 7 weeks in which to cover this material, and I think it is sufficient. I also wish to move the scheduled dates of quizzes one week later than announced. Quiz 4 will be on April 6, Quiz 5 on April 20 and Quiz 6 on May 4.

Section 6.3, page 344 nos. 6.33, 6.34*, 6.36(ii), 6.37*

Section 7.1 page 439 nos. 7.1*, 7.4, 7.5*, 7.8, 7.9*