Math 8201 **Homework 11** **PJW**

Date due: November 25, 2002.

Hand in only the starred questions. The beginning concepts in ring theory are fundamental in many areas and I am pleased to see that there are many exercises on this material in Dummit and Foote. The list below is quite long, but I think the questions are instructional within the boundaries of this course. I have set 7 starred questions this week. In terms of the educational value of the questions, I would have liked to set even more than this!

Section 7.3 1, 2, 5, 6, 8, 10, 14, 17, 21*, 22, 29, 30*, 34, 35*, 37

Section 7.4 6*, 7, 8*, 11*, 12, 13*, 15, 23, 24, 27, 30, 31, 37, 40