

MATH 593: Fourth Homework Assignment: Modules

Due Friday October 7, 2005

This week's reading:

Through 10.3 by Friday September 28 10.4 by Monday October 3.

10.5 by Friday October 7.

Exercises: All problems are from Dummit and Foote, *Abstract Algebra*, third edition.

Section 10.2: 3, 4, 5, 6*, 9, 10, 11, 12*

Section 10.3 : 1, 3*, 4*, 6, 7*, 10*, 11*, 12, 18*, 20*, 25, 26 2

Only the starred* problems will be collected. Please type or write them up neatly on separate paper.

First midterm exam is scheduled for

SUNDAY OCTOBER 2

4-6 pm

in Room 1060 East Hall.

(Note: the East Hall doors may be locked. We will try to prop open the door on the Ulrich's corner of the building.)

The exam will cover Chapters 7, 8, 9 (with the exception of 9.6), and 10.1.

At least one problem will be taken directly from the homework (unstarred exercises).