

Math 444 Fall 2006
Newberger

Homework 2: Section 4.1

Due Tuesday, September 26

- I. Division Algorithm
 - A. (10 points) Do problem #5 page 88 parts (b) and (d). Note that the answers to parts (a) and (c) are in the back of the book.
 - B. (10 points) Do problem #14 page 89.
- II. (10 points) Degree
 - A. Problem #4 page 88.
 - B. Problem #12 page 89.
- III. (10 points) Homomorphisms. Do problem #18 page 89. In addition to answering the questions asked therein, answer this: Is D a bijection?