

**MATH 631 Homework for Chapters 3 & 4** *November 5, 1999*

The following problems are meant to give you more practice with the material in Chapters 3 and 4 of **Artin**. I may assign additional problems, either for practice or to be turned in.

We will not go through the material in the order it is presented in **Artin**, and we will not cover exactly the same material.

Chapter 3, pp. 104–108

§1 #1,2

§2 #1,4(may be hard to do at this point),7,11

§3 #1,2,3(trivial),4,5,7,9,10,14a,16

§4 #1,2,4,5,6

§6 #1,2,3

Miscellaneous: #7

Chapter 4, pp. 145–153

§1 #1,2,3,4,5,6

§2 #2,4,5,9

§3 #1,2,4,5,9

§4 #1,2,3,7,9,14,15

§5 #2,4,5,7,13(may be hard)

§6 #1,3,4,5,7,9,10

Miscellaneous: #1,2,14