

# (Math 371) Homework 6:

Due October 30, 2007

All Exercises are from Algebra by Artin.

Exercise 1: Chapter 10 Exercises: 6.2 (p. 384)

Exercise 2: Chapter 10 Exercises: 6.3 (p. 384)

Exercise 3: Chapter 10 Exercises: 6.9 (p. 384)

Exercise 4: Chapter 10 Exercises: 7.4 (p. 384)

Exercise 5: Chapter 10 Exercises: 7.11 (p. 385)

Exercise 6: Chapter 11 Exercises: 1.7(p. 441)

Exercise 7: Chapter 11 Exercises: 1.9(p. 441)

Exercise 8: Prove part a), c) of Theorem 11.1.5 (you can assume part b)).