

(Math 371) Homework 7:

Due November 6, 2007

All Exercises are from Algebra by Artin.

Exercise 1: Chapter 11 Exercises: 2.7 (p. 442)

Exercise 2: Chapter 11 Exercises: 2.11 (p. 442)

Exercise 3: Chapter 11 Exercises: 2.12 (p. 442)

Exercise 4: Chapter 11 Exercises: 2.17 (p. 442) (notice an overlap with 11.2.7.

You don't need to prove existence of gcd twice)

Exercise 5: Chapter 11 Exercises: 2.12 (p. 442)

Exercise 6: Chapter 13 Exercises: 1.3 (p. 530)

Exercise 7: Chapter 13 Exercises: 2.1(p. 530)

Exercise 8: Chapter 13 Exercises: 2.5 (p. 530)