

(Math 170) Homework 3:

Due October 2, 2007

All exercises are from “The Heart of Mathematics” text book.

Exercise 1: Chapter 2.4 Exercise 3

Exercise 2: Chapter 2.4 Exercise 4

Exercise 3: Chapter 2.4 Exercise 8

Exercise 4: Use Euclid’s Algorithm to find the greatest common divisor of $2 \times 5 \times 7 \times 11 = 770$ and $3 \times 5 \times 7 = 105$

Exercise 5: Use Euclid’s Algorithm to find the greatest common divisor of $2 \times 2 \times 3 \times 3 \times 5 \times 5 = 900$ and $2 \times 3 \times 3 \times 7 \times 7 = 882$

Exercise 6: Use Euclid’s Algorithm to find the greatest common divisor of 178 and 144

Exercise 7: Chapter 2.5 Exercise 1

Exercise 8: Chapter 2.5 Exercise 2