



NUMBER THEORY I
SPRING 2012

ASSIGNMENT 6.2
DUE FEBRUARY 28

Exercise 1. Textbook exercise 4.4.5.

Exercise 2. Textbook exercise 4.4.8.

Exercise 3. Textbook exercise 4.4.10.

Exercise 4. Textbook exercise 4.4.14.

Exercise 5. If p is prime and $n \geq 1$, what is $|U(p^n)|$?