

MATH 350 ASSIGNMENT 5, FALL 2015

Due in class on Friday, October 2

Read Chapters 16 to Chapter 18

Part 1. From the textbook *A friendly introduction to number theory*.

- Exercise 16.3.
- Exercise 17.4. Note that here it is assumed that $\gcd(k, \phi(m)) = 1$.
- Exercise 18.1

Part 2. Extra credit problems:

- Exercise 17.3.
- Exercise 18.6 (a), (b). Write a not-to-long paragraph describing each. Note: These are two factorization method which sometimes produce factors of a given positive integer n . The ρ -method is easier to describe.