Introduction to Number Theory
Spring 2016

Homework # 1
Last Updated: January 28, 2016
Due Date: Thursday February 4th

Some of the questions for this set are exploratory and/or open-ended. Do not be afraid to experiment, and I expect you to not be able to answer every question fully.

FRINT Chapter 1:
(1) 1.1
(2) 1.2
(3) 1.3
(4) 1.4

FRINT Chapter 2:
(5) 2.1
(6) 2.2
(7) 2.7

Additional Problems:
(8) Show that if d divides a and d divides b, then for any integers x and y, we also have that d divides $ax + by$.