

**Week 3:** Homework due Wednesday September 29.

Read Chapter 2 sections 2.1-2.6 in *An Introduction to the Theory of Numbers*.

**Problems to turn in:**

page 62 section 2.2 problems: 9, 10, 17 (in this problem assume that  $p$  is a prime)

page 71 section 2.3 problems: 2, 8, 9, 16, 24, 40, 43

page 82 section 2.4 problems: 4, 5, 6

**Additional suggested problems:**

page 71 section 2.3 problems: 3, 10-13, 26-30, 36, 44, 47