

## MAT 512, HOMEWORK 1

This is the first of the weekly homework assignments. Since they will be graded, please take care to write up your solutions neatly. You may discuss problems with your fellow students, but please keep the following two things in mind: (1) If somebody tells you the solution to a problem before you have thought about it yourself, you miss a chance to learn something. (2) You must write up the solutions by yourself and in your own words.

Each week's assignment is due the following Monday at the beginning of class. This particular assignment is due on January 30.

1. Do Exercise 1.5 from the textbook, Ronald S. Irving, *Integers, Polynomials, and Rings*.
2. Look at the syllabus, which I handed out during class (and which you can also find on the course website). Write a short text on your understanding of the policy on using the internet to help solve homework problems.