

# Math 103A Fall 2006 Homework 1

Due 9/29/06 in class

(All exercise and page numbers refer to Gallian, 6th edition).

0. These exercises are suggestions for extra practice at home (or in section) and are *not to be turned in*. Look at these exercises especially if you think you need more review of math 109 material.

Gallian Chapter 0, #2, 7, 13, 16, 17, 23, 24, 25, 28, 49, 51

1. Do Gallian Chapter 0, #8, 10, 12, 14, 16, 18, 19, 22, 28, 48, 50, 52.

Hints:

for #14, don't try to use induction.

for # 52: don't try proof by induction. Instead examine these integers modulo 4.