

# Math 103B Winter 2006 HW 6

HW Due Friday 2/24/06 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.

Gallian Chapter 18, #1, 5, 9, 13, 15, 17, 25, 37

1. Gallian Chapter 18, #2, 4, 10, 18, 22, 23, 26, 28, 30

Comments and Hints:

**18.10.** This is a generalization of Theorem 17.5 in the book, so look at the proof of that theorem (also proved in class) as a model.

**18.18,22,23** For some steps the “mod  $p$ ” methods of Example 2 in the book (also in class) will be helpful.