

Math 81. *Abstract Algebra*.

Homework 2. Due on Wednesday, 1/20/2010.

From pages 529-530 of the textbook (*Abstract Algebra* by Dummit and Foote), do problems 1, 2, 3, 4, 5, 14. For the last part of problem 2, it's enough to do it for the field with 4 elements.