

**MATH 512 HOMEWORK 9—DUE AT THE BEGINNING OF CLASS ON TUESDAY,
APRIL 14, 2009**

One goal for this course is for you to develop your skill in effectively communicating mathematics. With this in mind, you should clearly write up your solutions.

- (1) Read chapter 11.
- (2) Do exercises 11.2, 11.11, 11.13, and 11.17
- (3) Explain why, in Theorem 11.9, we include the assumption that " p does not divide the highest-degree coefficient." Understanding Theorem 11.8, and its proof, could help.
- (4) Please bring questions to class on Tuesday.