

**MATH 512 HOMEWORK 11—DUE AT THE BEGINNING OF CLASS ON TUESDAY,
MAY 5, 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) For *Thursday, April 30*, prove that $(p - 1)! \equiv -1 \pmod{p}$.
- (2) Read sections 13.3 and 13.4. (Read more if you would like!)
- (3) Do Exercise 13.6.
- (4) Chapter 14 problem(s) to be posted
- (5) Chapter 15 problem(s) to be posted