MAT 512 HOMEWORK 11. DUE ON MONDAY, MAY 9. OKAY TO SUBMIT THROUGH FRIDAY MAY 13

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. A solution with little or no justification will receive little or no credit.

(1) Write several paragraphs in which you describe the analogous algebraic structures of the ring of integers and the ring of polynomials over a field.

(2) From chapter 14, do exercises 14.7, 14.10, and 14.15.

(3) From chapter 15 do exercises 15.3, and 15.6

   We did some of these in class. The point is to write them up carefully to make sure you understand each problem.