

Reading/Blogging Assignments

Come to class on

1. Monday having read and blogged on section 2.4.
2. Wednesday having done the three problems below.
3. Friday ready to take an inclass exam.

Problem Set 5, Due September 29

Feel free to do some experimentation via a computer algebra system to develop intuition for the problem.

1. Decide the irreducibility over \mathbb{Q} of the following two polynomials:
 - (a) $\frac{2}{9}t^5 + \frac{5}{3}t^4 + t^3 + \frac{1}{3}$
 - (b) $t^5 + t^4 + t^3 + t^2 + t + 1$
2. Problem 15 on pg 33 of the notes
3. Problem 17 on pg 34 of the notes