

Computing the polynomial satisfied by integral elements in a cubic field.....	1
Computing the polynomial satisfied by integral elements in a sextic field.....	2-21
Computing the coefficient of the fourth power term.....	3-6
Computing the coefficient of the third power term.....	7-20
Considering relationships between symmetric polynomials.....	21
Attempting to use a Galois transformation on the sextic field to find the quadratic subfield.....	22-24
Tabulated values of some symmetric polynomials over the sextic field.....	25
Computing polynomials for $Q(\sqrt{17})$ .....	26
Trying to use equivalence classes of integer pairs to label quadratic extension fields.....	27-32
Diagram of polynomials for Gaussian integer.....	33
Integral points in a quadratic number field satisfy two equation systems: one linear and one quadratic. The intersection points of these two systems form a regular lattice.....	34-38
Question: How many ways can we add a multiplication operator to a rank-2 TFA group to obtain a ring or field?.....	39