

Mathematics
Algebra 1: CP
Unit 10: Polynomials and Factoring

Essential Understandings	<ul style="list-style-type: none"> Knowing about polynomials and how to factor them is an important algebraic skill.
Essential Questions	<ul style="list-style-type: none"> How do you add and subtract polynomials? How do multiply polynomials? How do you solve quadratic equations in factored form? How do you factor polynomials?
Essential Knowledge	<ul style="list-style-type: none"> Polynomials can be added and subtracted. Polynomials can be multiplied together. Quadratic equations in factored form can be solved. Factoring polynomials have many steps and procedures.
Vocabulary	<ul style="list-style-type: none"> <u>Terms:</u> <ul style="list-style-type: none"> monomial, binomial, trinomial, degree, factored form, polynomial, zero-product property, factor.
Essential Skills	<ul style="list-style-type: none"> Add and subtract polynomials. Multiply polynomials. Solve quadratic equations in factored form. Know the different methods to factor polynomials.
Related Maine Learning Results	<p><u>Mathematics</u> A. Number Real Number A1.Students will know how to represent and use real numbers.</p> <ol style="list-style-type: none"> Use the concept of nth root. Estimate the value(s) of roots and use technology to approximate them. Compute using laws of exponents. Multiply and divide numbers expressed in scientific notation. Understand that some quadratic equations do not have real solutions and that there exist other number systems to allow for solutions to these equations.
Sample Lessons And Activities	<ul style="list-style-type: none"> Students will orally respond to questions. Students will utilize worksheets and in their notes to demonstrate individual understanding of the concepts.
Sample Classroom Assessment Methods	<ul style="list-style-type: none"> Evaluate homework Quizzes Chapter test
Sample Resources	<ul style="list-style-type: none"> <u>Publications:</u> <ul style="list-style-type: none"> <u>Algebra 1</u> - McDougall Littell