

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