

Topic: Unit 8: Factoring and Quadratic Equation  
 Subject(s):

Days: 15  
 Grade(s):

Know:

Understand:

Do:

<p>Key vocabulary</p> <p>Factoring</p> <p>Factored form</p>	<p>How the factor form is the simplified form of Algebraic expressions which represents multiple and/or combined forms of real world situations.</p>	<p>Find greatest common factor</p> <p>Write expanded factor form for algebraic expressions</p> <p>Factor polynomials</p> <p>Factor trinomials of the form <math>ax^2 + bx + c</math> (where <math>a = 1</math>, <math>b</math> and <math>c</math> are real numbers)</p> <p>Factor trinomials of the form <math>ax^2 + bx + c</math> (where <math>a \neq 0</math> or <math>1</math>, <math>b</math> and <math>c</math> are real numbers.)</p> <p>Factor binomials using the difference of squares method</p> <p>Factor trinomials using the perfect squares</p> <p>Solve equations(quadratic) in factor form</p> <p>Solve equations (binomials) in difference of square form</p> <p>Solve trinomials using the perfect squares form</p>
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Which standards are students learning in this unit?

MA.912.A.1.8 Use the zero property of real numbers in a variety of context to identify solutions to equations.

MA.912.A 4.3 Factor polynomial expressions.

MA.912.A.7.2 Solve quadratic equations over the real numbers by factoring and by using the quadratic formula.