
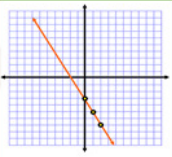
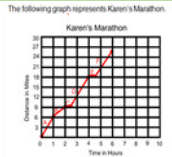
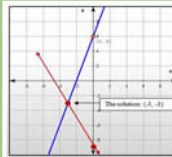
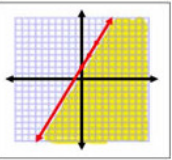

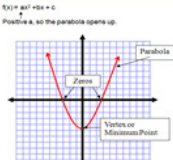


# Algebra-Class E-course Units

 <b>Algebra Formulas</b>	$y = -2x + 9$ $-3 = -2(6) + 9$ $-3 = -3$				<b>Matrices</b> $\begin{bmatrix} x & x-5 \\ y+2 & x+y \end{bmatrix} = \begin{bmatrix} 10 & 5 \\ -1 & 7 \end{bmatrix}$
<b>Pre-algebra Review</b>	<b>Solving Equations</b>	<b>Graphing Equations</b>	<b>Writing Equations</b>	<b>Systems of Equations</b>	<b>Study of Matrices</b>
<ul style="list-style-type: none"> <li>Integers</li> <li>Algebraic Expressions</li> <li>Order of Operations</li> <li>Like Terms and Distributive Property</li> <li>Distributive Property</li> <li>Intro to Matrices</li> <li>Using Formulas</li> </ul>	<ul style="list-style-type: none"> <li>Intro to Equations</li> <li>One-Step Equations (4 lessons)</li> <li>Mixed Review Practice</li> <li>Two-Step Equations</li> <li>Distributive Property Equations</li> <li>Equations with Fractions</li> <li>Literal Equations</li> <li>Variables on Both Sides</li> <li>Word Problems</li> <li>Absolute Value</li> <li>Absolute Value Pt 2</li> </ul>	<ul style="list-style-type: none"> <li>Graphing Points</li> <li>Table of Values</li> <li>Calculating Slope</li> <li>Graphing Slope</li> <li>Slope Intercept Form</li> <li>Finding Slope Given 2 Points</li> <li>Rate of Change</li> <li>Standard Form Equations (1)</li> <li>Standard Form Equations (2)</li> <li>Graphing Absolute Value Eq</li> </ul>	<ul style="list-style-type: none"> <li>Slope Intercept Form</li> <li>Standard Form</li> <li>Word Problems</li> <li>Slope and a Point</li> <li>Two Points</li> <li>Point-slope Form</li> <li>Parallel and Perpendicular Lines</li> <li>Line of Best Fit</li> <li>Cumulative Test on Units 1-3</li> </ul>	<ul style="list-style-type: none"> <li>Graphing Systems</li> <li>Substitution Method</li> <li>Linear Combinations Method Addition &amp; Multiplication Methods</li> <li>Systems Word Problems</li> <li>Systems in Three Variables</li> </ul>	<ul style="list-style-type: none"> <li>Intro to Matrices</li> <li>Operations with Matrices</li> <li>Multiplying Matrices</li> <li>Determinants</li> <li>Cramer's Rule</li> <li>Identify and Inverse Matrices</li> <li>Solving Systems with Matrices</li> </ul>

		$1. \frac{3^5}{3^3} =$ $2. \frac{r^7}{r^4} =$	$\begin{array}{ccc} 2x^2 + 3x + 5 \\ \uparrow \quad \uparrow \quad \uparrow \\ 1 \quad 2 \quad 3 \end{array}$ $\begin{array}{cccc} 3x^3 + 2x^2 - 6x + 2 \\ \uparrow \quad \uparrow \quad \uparrow \quad \uparrow \\ 1 \quad 2 \quad 3 \quad 4 \end{array}$	$\frac{x^2y^2 + 4x^2y}{x^2y} + \frac{3y + 12}{3}$ <b><math>x^2y</math> is a common factor</b> <b>3 is a common factor</b>	$f(x) = ax^2 + bx + c$ Positive $a$ , so the parabola opens up. 
<b>Inequalities</b>	<b>Relations and Functions</b>	<b>Exponents and Monomials</b>	<b>Polynomials</b>	<b>Factoring Polynomials</b>	<b>Quadratic Equations</b>
<ul style="list-style-type: none"> <li>Intro to Inequalities</li> <li>Solving Inequalities in 1 Variable</li> <li>More Solving Inequalities</li> <li>Inequality Word Problems</li> <li>Sets</li> <li>Compound Inequalities</li> <li>Absolute Value Inequalities</li> <li>Graphing Linear Inequalities</li> <li>More Graphing Inequalities</li> <li>Absolute Value Inequalities</li> <li>Systems of Inequalities</li> </ul>	<ul style="list-style-type: none"> <li>Relations</li> <li>Identifying Functions</li> <li>Evaluating Functions</li> <li>Domain and Range</li> <li>Linear Functions</li> <li>Linear Functions (2)</li> <li>Quadratic Functions</li> <li>Quadratic Functions (2)</li> <li>One More Look at Functions</li> </ul>	<ul style="list-style-type: none"> <li>Review of Exponents</li> <li>Compound Interest</li> <li>Laws of Exponents</li> <li>Multiplying Monomials</li> <li>Dividing Monomials</li> <li>Complex Expressions</li> <li>Zero and Negative Exponents</li> <li>Scientific Notation</li> </ul>	<ul style="list-style-type: none"> <li>Adding Polynomials</li> <li>Subtracting Polynomials</li> <li>Multiplying Polynomials</li> <li>Using FOIL</li> <li>Special Binomials</li> <li>More Multiplying Polynomials</li> </ul>	<ul style="list-style-type: none"> <li>Introduction to Factoring</li> <li>Using the GCF</li> <li>Factoring Trinomials</li> <li>Factoring Special Trinomials</li> <li>More Factoring Trinomials</li> <li>Cumulative Test on Polynomials and Factoring</li> </ul>	<ul style="list-style-type: none"> <li>Square Roots</li> <li>Simple Quadratic Equations</li> <li>Pythagorean Theorem</li> <li>Solving By Factoring</li> <li>More Factoring</li> <li>Graphing Quadratic Equations</li> <li>Quadratic Formula</li> <li>Discriminants</li> <li>Discriminants When Graphing</li> <li>Problem Solving</li> </ul>