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Birth date: 10/30/2010
Grade level: 8th Grade

2024 - 2025



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8th Grade Math - Karen Harvey

	Gr 8 Fall
Math Skills	
<i>Able to use distributive property when solving equations or simplifying expressions.</i>	3
<i>Able to set up proportions</i>	3
<i>Able to perform all operations on real numbers.</i>	3
<i>Able to graph quadratic functions</i>	N/A
<i>Able to solve equations with variable on both sides.</i>	3
<i>Able to solve multi-step linear equations.</i>	3
<i>Able to analyze linear equations that contain two variables, and how these can be represented by graphical lines and tables of values</i>	3
<i>Able to graph linear equations and functions</i>	2
<i>Able to identify unique characteristics of, and graph horizontal and vertical lines.</i>	2
<i>Able to find slope of a linear function visually from a graph (rise over run) or calculate from a table ($m = \frac{y_2 - y_1}{x_2 - x_1}$).</i>	3
<i>Able to solve various word problems that involve real world relationships that can be represented by linear equations or functions</i>	2
<i>Able to write an equation in standard form ($Ax + By = C$) from a graph or from a linear equation in non-standard form.</i>	3
<i>Able to write linear equations in slope intercept form ($y = mx + b$) from graphs, tables and word problems.</i>	2
<i>Able to graph linear inequalities and compound linear inequalities</i>	3
<i>Able to identify the number of solutions of a linear system of equations.</i>	3
<i>Able to interpret systems of inequalities (multiple inequalities at the same time) and use them to describe real-world situations</i>	3
<i>Able to solve systems of simple linear inequalities by creating graphs.</i>	3
<i>Able to construct, analyze, graph, and interpret basic exponential functions of the form $f(x) = a(r^x)$</i>	N/A
<i>Able to identify exponential functions using graphs and/or tables.</i>	N/A
<i>Able to apply exponent properties involving products, powers of a power, and quotients.</i>	N/A
<i>Able to add and subtract polynomial expressions</i>	N/A
<i>Able to multiply polynomial expressions</i>	N/A
<i>Able to differentiate between monomials, binomials and polynomials, identify the degree of polynomial and leading coefficient.</i>	N/A
<i>Able to solve quadratic equations using square roots.</i>	N/A
<i>Able to identify quadratic functions in equation and graph form, and state their properties (vertex, axis of symmetry, relationship to parent quadratic function).</i>	N/A
<i>Able to use the discriminant to determine the number of solutions to a quadratic equation.</i>	N/A
<i>Able to simplify radicals without and with variables.</i>	N/A