

I can	Examples, textbook pages, notes.	I got this 😊	I need to review this !!!
<p>... define a function and give graphical examples of a linear, quadratic and other functions.</p>	<p>Quadratic Function</p>		
<p>... explain the differences and similarities between a function and a relation.</p>			
<p>... give graphical examples of a relation that is not a function and justify why it fits the description.</p>			
<p>... determine the domain of a function or a relation.</p>			
<p>... determine the range of a function or a relations.</p>			
<p>... describe the domain and range using a variety of methods: set notation, interval notation, inequality statement, or a sentence.</p>			
<p>... carry out the vertical line test.</p>			
<p>... describe a quadratic function given its graph: domain, range, equation of the line of symmetry, opening, vertex, transformations.</p>			

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<p>... graph a quadratic function given its equation in vertex form.</p>			
<p>... graph a quadratic function given its equation in standard form (a.k.a. Complete the square first).</p>			
<p>... describe all transformations of a quadratic function given its equation.</p>			
<p>... describe all transformations of a quadratic function given its graph (R in x-axis, VSC, VSE, HT, VT).</p>			
<p>... complete the square given an equation with a leading coefficient of positive one.</p>			
<p>... complete the square given an equation with a leading coefficient different from positive one.</p>			
<p>... determine whether a function is quadratic.</p>			

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... determine the exact coordinates of the y-intercept given a graph or an equation.			
... determine the exact coordinates of the x-intercepts given a graph or an equation.			
... graph a parabola given its description in words.			
... explain what the terms: congruent and coinciding.			
... explain the relationship between the roots, zeros, x-intercepts and solutions.			
Quadratic Equations			
... solve a quadratic equation using the quadratic formula.			
... solve a quadratic equation using the square root principle.			
... solve a quadratic equation using factoring.			
... solve a quadratic equation by graphing.			
... calculate the discriminant.			
... determine the nature of the solution by calculating the discriminant.			

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... algebraically determine whether a given point is a solution to a quadratic equation.			
... determine whether a given point is a solution to a quadratic equation given a graph.			
... solve word problems involving quadratic equations such as optimization problems.			
Inequalities and Systems of equations			
... graph a solution to a linear inequality in one variable using a number line.			
... graph a solution to a linear inequality in two variables and describe the solution region in words.			
... solve a quadratic inequality using cases or graphs.			
... graph a solution to a quadratic inequality in one variable using a number line.			
... graph a solution to a quadratic inequality in two variables and describe the solution region in words.			
... explain what a solid and a dashed line of a solution boundary stands for.			

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...explain the difference between a strict inequality and a non-strict inequality.			
--- solve a linear-quadratic system of equations by substitution.			
... determine whether a given point is a solution to a system of equations.			
... solve a quadratic-quadratic system of equations by substitution.			
--- solve a linear-quadratic system of equations by graphing.			
--- solve a quadratic-quadratic system of equations by graphing.			
... solve a linear-linear system of inequalities (L4).			
...solve a linear-quadratic system of inequalities (L4).			
... solve a quadratic-quadratic system of inequalities (L4).			

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... define an angle.	Trigonometry		
... draw a labeled diagram of an angle in standard position given its degree measure.			
... determine whether two given angles are coterminal.			
... find all coterminal angles in a restricted domain given an angle.			
... define a reference angle and labeled in a diagram.			
... calculate the degree measure of a reference angle to any angle.			
... explain the difference between the positive and negative angles.			
...use special triangles to determine the exact values of the basic trigonometric ratios of all angles that have a reference angle of 45° , 30° and 60° .			
... determine the exact values of the basic trigonometric ratios of 0° , 90° , 270° and 180° .			

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... determine the value of the basic trigonometric ratios given the coordinates of a point on the terminal arm.			
... apply the Pythagorean Theorem.			
... apply SOH, CAH, TOA to any right-angled triangle.			
... determine the value of any two basic trigonometric ratio given the exact value of the third ratio.			
... apply the Sine Law to find a side length.			
... apply the Sine Law to find an angle.			
... apply the Cosine Law to find a side length.			
... apply the Cosine Law to find an angle.			
... apply the Sine Law to solve word problems.			
... apply the Cosine Law to solve word problems.			

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... name and label all parts of a radical expression (index, radical symbol, radicand).	Radical Expressions and Equations		
... convert a mixed radical to an entire radical.			
... convert an entire radical to a mixed radical.			
... determine when a radical is defined given it has an even index.			
... determine when a radical is defined given it has an odd index.			
... determine when a radical is undefined given it has an even index.			
... determine when a radical is undefined given it has an odd index.			
... add and subtract radicals.			
... multiply radicals.			
... express a radical and a power with a rational exponent (Flower=power rule).			

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... determine the NPVs = values a variable cannot be = values that make a radical undefined given the index is even.			
... determine the NPVs = values a variable cannot be = values that make a radical undefined given the index is odd.			
... determine the restrictions= rules a variable has to follow so the radical is defined given the index is odd.			
... determine the restrictions= rules a variable has to follow so the radical is defined given the index is even.			
... solve a radical equation of the form: $\sqrt{\text{radicand}} = \text{number}$			
... solve a radical equation of the form: $\sqrt{\text{radicand}} = \text{algebraic expression}$			
... solve a radical equation of the form: $\sqrt{\text{radicand}} = \sqrt{\text{radicand}}$			
... solve, check (LS=RS), verify.			
... determine whether a proposed solution is extraneous or true.			
... rationalize a denominator.			

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	Rational Expressions		
... determine when a rational expression is defined (denominator is different from zero).			
... ... determine when a rational expression is undefined (denominator is equal to zero).			
...factor by GCF			
... factor the difference of squares.			
... factor by inspection.			
... factor by grouping.			
... factor by combining GCF and DOS or GCF and inspection.			
... simplify a rational expression .			
... add and subtract rational expressions.			
... multiply and divide rational expressions.			

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... solve a rational equation.			
... factor, simplify, solve, check and verify.			
... determine whether a proposed solution is an extraneous solution or a true solution.			