**ALGEBRA 2 - CHAPTER 4 TEST STUDY TOPICS**

* Solve an equation in the vertex form for a parabola
* Solve a proportional equation
* Factor and solve an equation
* Solve an exponential equation with different bases
* Use the zero product property to solve an equation (an equation that has already been factored)
* Solve a system of inequalities (study how to graph and shade)
* Write and solve a system of equations for a real world situation
* Identify Arithmetic or Geometric Sequences. Be able to write the formula and evaluate for a given term
* Solve an inequality and graph on a number line
* Multiply and Divide Rational expressions (practice factoring!)
* Solve an equation with a square root
* Given two points, write the equation of the line and the line perpendicular to it

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