**ALGEBRA 2 - CHAPTER 8 TEST STUDY TOPICS**

* Given the roots of a quadratic equation, write the equation in standard form (roots may be real or complex)
* Identify equations that are and are not polynomials
* Determine if an equation has real or complex roots and explain what it means.
* Evaluate a function for a given value
* Use the remainder theorem to find a factor of a polynomial
* Find all of the factors of a polynomial using polynomial division and solve
* Identify the degree of a polynomial
* Given a polynomial in factored form, sketch its graph.
* Solve an equation with a radical (squaring both sides)
* Find the sum or product of complex numbers
* Solve a system of 3 equations
* Convert degrees to radians and convert radians to degrees.
* Solve an exponential equation by taking the log of both sides.
* Rewrite a division problem with a complex number in its simplest form

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