

Pacing Guide: Algebra 1 C					
Content and Duration	Content Expectation (GLCE/HSCE)	Student Learning Targets	Content Vocabulary	Required Activities	Common Assessments and Rubrics
UNIT #1  Powers and Roots  2-3 weeks		<i>Students will be able to:</i>  - simplify products, quotients, and powers of powers  - evaluate negative integer powers of real numbers  - rewrite powers of products and quotients  - simplify square roots  - evaluate cube roots  - test a special case to see if a pattern is true  - identify and use the properties of powers to simplify  - use powers to count the number of sequences possible for repeated choices  - represent squares, cubes, square roots, and	scientific notation square squared square root radical sign cube cubed cube root radicand	8.1 #1-20  8.2 #1-28  8.3 #1-29  8.4 #1-27  8.5 #1-23  8.6 #1-30  8.7 #1-34  8.8 #1-26  8.9 #1-30  Unit Review WKS	Quiz #1  Quiz #2  Unit Test  Homework Quiz  Algebra 1 C Exam

		cube roots geometrically - calculate distances on the x-y coordinate plane			
--	--	--	--	--	--

Pacing Guide: Algebra 1 C					
Content and Duration	Content Expectation (GLCE/HSCE)	Student Learning Targets	Content Vocabulary	Required Activities	Common Assessments and Rubrics
UNIT #2  Quadratic Equations and Functions  2-3 weeks		<i>Students will be able to:</i>  - solve quadratic equations of the form $ax^2 = b$  - solve quadratic equations using the Quadratic Formula  - identify and use the properties of solutions to quadratic equations  - use quadratic equations to solve problems about paths of projectiles  - solve geometric problems involving quadratic equations  - solve real-world problems involving quadratic functions  - graph equations of the form $ax^2 = b$ and interpret these graphs  - graph equations of the	parabola reflection-symmetric axis of symmetry vertex force of gravity initial upward velocity initial height quadratic equation standard form of a quadratic equation discriminant	9.1 #1-23  9.2 #1-25  9.3 #1-22  9.4 #1-16  9.5 #1-19  9.6 #1-24  9.7 #1-22  Unit Review WKS	Quiz #1  Quiz #2  Unit Test  Homework Quiz  Algebra 1 C Exam

		form $y = ax^2 + bx + c$ and interpret these graphs			
--	--	--	--	--	--

Pacing Guide: Algebra 1 C					
Content and Duration	Content Expectation (GLCE/HSCE)	Student Learning Targets	Content Vocabulary	Required Activities	Common Assessments and Rubrics
UNIT #3  Polynomials  2-3 weeks		<i>Students will be able to:</i>  - add and subtract polynomials  - multiply polynomials  - find common monomial factors of polynomials  - expand squares of binomials  - classify polynomials by their degree or number of terms  - translate investment situations into polynomials  - determine numbers of permutations  - represent polynomials by areas	polynomial in x standard form for a polynomial monomial polynomial binomial trinomial degree of a monomial degree of a polynomial linear polynomial quadratic polynomial factoring trivial factors greatest common factor factorization prime polynomials complete factorization perfect square trinomials difference of squares permutation n! factorial circular permutation	11.1 #1-27  11.2 #1-34  11.3 #1-31  11.4 #1-27  11.5 #1-20  11.6 #1-36  11.7 #1-24  Unit Review WKS	Quiz #1  Quiz #2  Unit Test  Homework Quiz  Algebra 1 C Exam

Pacing Guide: Algebra 1 C					
Content and Duration	Content Expectation (GLCE/HSCE)	Student Learning Targets	Content Vocabulary	Required Activities	Common Assessments and Rubrics
UNIT #4  More Work With Quadratics  2-3 weeks		<i>Students will be able to:</i>  - factor quadratic expressions in the form $x^2 + bx + c$ & $ax^2 + bx + c$  - find the product of three or more binomials  - determine whether a quadratic polynomial can be factored over the integers  - solve problems involving areas and perimeters of rectangles that lead to quadratic functions or equations  - graph quadratic functions whose equations are given in factored form	factored form of a quadratic function square term linear term constant term prime polynomial over the integers cubic polynomial	12.3 #1-20  12.4 #1-28  12.5 #1-24  12.6 #1-19  Factoring Review Worksheets  Unit Review WKS	Quiz #1  Quiz #2  Unit Test  Homework Quiz  Algebra 1 C Exam