Unit 3 Daily Agenda Algebra C&C

Unit 3 *for additional curriculum information, please visit the district's resource **High School Pacing Guides** or Georgia's K-12 Standards	**Course Name: Algebra I** **Modeling Unit Functions**	**Considerations or scaffolds for Support**	**Considerations, additional learning for Honors**
Day 1	**Standards:** Standards: A.NR.5 Investigate rational and irrational numbers and rewrite expressions involving square roots and cube roots. A.NR.5.2 Using numerical reasoning, show and explain that the sum or product of rational numbers is rational, the sum of a rational number and an irrational number is irrational, and the product of a nonzero rational number and an irrational number is irrational. LT: ● I can explain properties of rational numbers. ● I can explain properties of irrational numbers. SC: ● I can classify numbers as rational or irrational ● I can classify rational numbers as real, natural, whole or integers **Lesson/Activity:** classifying numbers as rational, irrational, natural, real, integers, whole numbers Lesson/Activity: Review Rational/Irrational Review simplifying radicals		

Day 2	**Standards:** A.NR.5 Investigate rational and irrational numbers and rewrite expressions involving square roots and cube roots. A.NR.5.1 Rewrite algebraic and numeric expressions involving radicals. LT: ● I can determine equivalent radical expressions. SC: ● I can simplify a radical expression using a factor tree. ● I can write a radical expression in the simplest form. ● I can identify the coefficient and radicand given a radical expression. ● I can simplify a radical expression including those with variables. Lesson/Activity: Simplify single radicals including those with variables		
Day 3	**Standards:** A.NR.5 Investigate rational and irrational numbers and rewrite expressions involving square roots and cube roots. A.NR.5.1 Rewrite algebraic and numeric expressions involving radicals. LT: ● I can determine equivalent radical expressions. SC: ● I can simplify a radical expression using a factor		

	tree. ● I can write a radical expression in the simplest form. ● I can identify the coefficient and radicand given a radical expression. ● I can simplify a radical expression including those with variables. Lesson/Activity: Simplify single radicals including those with variables and cube roots		
Day 4	**Standards:** A.NR.5 Investigate rational and irrational numbers and rewrite expressions involving square roots and cube roots. A.NR.5.1 Rewrite algebraic and numeric expressions involving radicals. LT: ● I can determine equivalent radical expressions. SC: ● I can identify like terms given radical expressions. ● I can add and subtract radical expressions and write these expressions in the simplest form. ● I can find the perimeter of figures involving radical expressions. ● I can add and subtract radical expressions with like and unlike variable radicands. Lesson/activity: add/subtract like/unlike radical expressions		
Day 5	**Standards:** A.NR.5 Investigate rational and irrational numbers and		

	rewrite expressions involving square roots and cube roots. A.NR.5.1 Rewrite algebraic and numeric expressions involving radicals. LT: ● I can determine equivalent radical expressions. SC: ● I can identify like terms given radical expressions. ● I can add and subtract radical expressions and write these expressions in the simplest form. ● I can find the perimeter of figures involving radical expressions. ● I can add and subtract radical expressions with like and unlike variable radicands. Lesson/activity: add/subtract like/unlike radical expressions		
Day 6	**Standards:** A.NR.5 Investigate rational and irrational numbers and rewrite expressions involving square roots and cube roots. A.NR.5.1 Rewrite algebraic and numeric expressions involving radicals. LT: ● I can determine equivalent radical expressions. SC: ● I can identify like terms given radical expressions. ● I can add and subtract radical expressions and write these expressions in the simplest form. ● I can find the perimeter of figures involving radical expressions.		

	• I can add and subtract radical expressions with like and unlike variable radicands. • I can explain why the sum or product of rational numbers is rational • I can explain why the sum of a rational and irrational number is irrational. Lesson/activity: Use Area Models to find perimeter and length of segment Resource: Inspire Activity		
Day 7	**Standards:** A.NR.5 Investigate rational and irrational numbers and rewrite expressions involving square roots and cube roots. A.NR.5.1 Rewrite algebraic and numeric expressions involving radicals. LT: • I can determine equivalent radical expressions. • I can multiply radical expressions. SC: • I can multiply radical expressions and write the answer in simplest form. • I can multiply radical expressions involving variables • I can multiply radical expressions including a monomial x binomial, binomial x binomial, binomial x trinomial. Lesson activity: multiplying radical expressions		
Day 8	**Standards:** A.NR.5 Investigate rational and irrational numbers and rewrite expressions involving square roots and cube		

	roots. A.NR.5.1 Rewrite algebraic and numeric expressions involving radicals. LT: ● I can determine equivalent radical expressions. ● I can multiply radical expressions. SC: ● I can multiply radical expressions and write the answer in simplest form. ● I can multiply radical expressions involving variables ● I can explain why the product of a rational and irrational number is irrational. Lesson activity: Inspire Equivalent length and area activity		
Day 9	Review		
Day 10	Test		