

High School Weekly Lesson Plan Unit #3 Algebra C & C

<p>Unit 3 *for additional curriculum information, please visit the district's resource High School Pacing Guides or Georgia's K-12 Standards</p>	<p style="text-align: center;">Course Name: Algebra I Modeling Unit Functions</p>
<p>Day 1</p>	<p>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.</p> <p>LT:</p> <ul style="list-style-type: none">● I can determine equivalent radical expressions. <p>SC:</p> <ul style="list-style-type: none">● 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. <p>Lesson/Activity: Simplify single radicals including those with variables</p> <p>Resources: https://lor2.gadoe.org/gadoe/file/d8769db2-44e8-481e-a481-d1aa8dcb9d76/1/Equivalent-Radical-Expressions-Length-and-Perimeter-Student-Reproducible-AU3.pdf</p>
<p>Day 2</p>	<p>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.</p>

	<p>LT:</p> <ul style="list-style-type: none"> ● I can determine equivalent radical expressions. <p>SC:</p> <ul style="list-style-type: none"> ● 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. <p>Lesson/Activity: Simplify single radicals including those with variables</p> <p>Resources: https://lor2.gadoe.org/gadoe/file/d8769db2-44e8-481e-a481-d1aa8dcb9d76/1/Equivalent-Radical-Expressions-Length-and-Perimeter-Student-Reproducible-AU3.pdf</p>
<p>Day 3</p>	<p>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.</p> <p>LT:</p> <ul style="list-style-type: none"> ● I can determine equivalent radical expressions. <p>SC:</p> <ul style="list-style-type: none"> ● 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. <p>Lesson/Activity: Simplify single radicals including those with variables</p> <p>Resources: https://lor2.gadoe.org/gadoe/file/d8769db2-44e8-481e-a481-d1aa8dcb9d76/1/Equivalent-Radical-Expressions-Length-and-Perimeter-Student-Reproducible-AU3.pdf</p>
<p>Day 4</p>	<p>Standards: A.NR.5 Investigate rational and irrational numbers and rewrite expressions involving square roots and cube roots.</p>

	<p>A.NR.5.1 Rewrite algebraic and numeric expressions involving radicals.</p> <p>LT:</p> <ul style="list-style-type: none"> ● I can determine equivalent radical expressions. <p>SC:</p> <ul style="list-style-type: none"> ● 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. <p>Lesson/Activity: add/subtract like/unlike radical expressions</p> <p>Resources: https://lor2.gadoe.org/gadoe/file/d8769db2-44e8-481e-a481-d1aa8dcb9d76/1/Equivalent-Radical-Expressions-Length-and-Perimeter-Student-Reproducible-AU3.pdf</p>
<p>Day 5</p>	<p>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.</p> <p>LT:</p> <ul style="list-style-type: none"> ● I can determine equivalent radical expressions. <p>SC:</p> <ul style="list-style-type: none"> ● 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. <p>Lesson/Activity: add/subtract like/unlike radical expressions</p> <p>Resources: https://lor2.gadoe.org/gadoe/file/d8769db2-44e8-481e-a481-d1aa8dcb9d76/1/Equivalent-Radical-Expressions-Length-and-Perimeter-Student-Reproducible-AU3.pdf</p>
<p>Day 6</p>	<p>Quiz</p>

Day 7	<p>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.</p> <p>LT:</p> <ul style="list-style-type: none">● I can determine equivalent radical expressions.● I can multiply radical expressions. <p>SC:</p> <ul style="list-style-type: none">● 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. <p>Lesson/Activity: multiplying radical expressions</p> <p>Resources: https://lor2.gadoe.org/gadoe/file/7635845d-8523-49de-9b0d-d34799b6402f/1/Equivalent-Radical-Expressions-Length-and-Area-AU3.pdf</p>
Day 8	<p>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.</p> <p>LT:</p> <ul style="list-style-type: none">● I can determine equivalent radical expressions.● I can multiply radical expressions. <p>SC:</p> <ul style="list-style-type: none">● 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. <p>Lesson/Activity: multiplying radical expressions</p> <p>Resources: https://lor2.gadoe.org/gadoe/file/7635845d-8523-49de-9b0d-d34799b6402f/1/Equivalent-Radical-Expressions-Length-and-Area-AU3.pdf</p>

<p>Day 9</p>	<p>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.</p> <p>LT:</p> <ul style="list-style-type: none"> ● I can explain properties of rational numbers. ● I can explain properties of irrational numbers. <p>SC:</p> <ul style="list-style-type: none"> ● I can classify numbers as rational or irrational ● I can classify rational numbers as real, natural, whole or integers <p>Lesson/Activity: classifying numbers as rational, irrational, natural, real, integers, whole numbers</p> <p>Resources: https://lor2.gadoe.org/gadoe/file/5c68bcad-aac8-46a1-b488-37e4381025e5/1/Classifying-Rational-and-Irrational-Numbers-AU3.pdf https://lor2.gadoe.org/gadoe/file/5c68bcad-aac8-46a1-b488-37e4381025e5/1/Classifying-Rational-Lesson-Guide.PDF</p>
<p>Day 10</p>	<p>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.</p> <p>LT:</p> <ul style="list-style-type: none"> ● I can explain properties of rational numbers. ● I can explain properties of irrational numbers. <p>SC:</p> <ul style="list-style-type: none"> ● 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.

	<ul style="list-style-type: none">● I can explain why the product of a rational and irrational number is irrational. <p>Lesson/Activity: evaluate statements about rational/irrational numbers</p> <p>Resources: https://lor2.gadoe.org/gadoe/file/8f7bcf1b-6ad2-45c0-972d-e3edb7b2a708/1/Evaluating-Statements-about-Rational-and-Irrational-Numbers-Lesson-Guide-AU3.pdf</p>
Day 11	Test