

Curriculum Map
Algebra Two CP2 (332)
Saugus High School
Saugus Public Schools
2009-2010

Week 1		Week 2	
<p align="center">Performance Standards</p> <p><i>The students will:</i></p> <p>10.N.1 Identify and use the properties of operations on real numbers. 10.N.2 Simplify numerical expressions.</p>		<p align="center">Performance Standards</p> <p><i>The students will:</i></p> <p>10.N.1 Identify and use the properties of operations on real numbers. 10.N.2 Simplify numerical expressions.</p>	
<p align="center">Unit/Topic/Lesson UNIT ONE Properties and Operations</p> <p>1. Sets of Numbers 2. Properties of Real Numbers 3. Square Roots</p>		<p align="center">Unit/Topic/Lesson UNIT ONE Properties and Operations</p> <p>1. Simplifying Algebraic Functions 2. Properties of Exponents</p>	
<p align="center">Mission and Expectations</p> <p>1. <i>Critical Thinking Skills</i> 2. <i>Problem Solving Skills</i> 3. <i>Test Taking Skills</i></p>		<p align="center">Mission and Expectations</p> <p>1. <i>Critical Thinking Skills</i> 2. <i>Problem Solving Skills</i> 3. <i>Test Taking Skills</i></p>	
<p align="center">Objectives</p> <p>1. To classify and order numbers 2. To identify and use properties of real numbers. 3. To estimate square roots. 4. To simplify, add, subtract, multiply, and divide square roots.</p>	<p align="center">Essential Question</p> <p>How do you estimate the value of a square root without the use of a calculator?</p>	<p align="center">Objectives</p> <p>1. To simplify and evaluate algebraic expressions. 2. To simplify expressions involving exponents. 3. To use scientific notation.</p>	<p align="center">Essential Question</p> <p>How do you use the laws of exponents to simplify an algebraic expression involving monomials?</p>
<p align="center">Teacher Resources <i>Holt Algebra 2 ©2007</i></p> <p>1. Chapter One lessons 2. Chapter One Practice Worksheets 3. Chapter One Pre-Made Assessments</p>	<p align="center">Media Resources <i>Holt Algebra 2 ©2007</i></p> <p>1. PowerPoint Presentations 2. Textbook On-Line 3. Homework Help (on-line) 4. Test ExamPro Generator 5. One-Stop CD Planner</p>	<p align="center">Teacher Resources <i>Holt Algebra 2 ©2007</i></p> <p>1. Chapter One lessons 2. Chapter One Practice Worksheets 3. Chapter One Pre-Made Assessments</p>	<p align="center">Media Resources <i>Holt Algebra 2 ©2007</i></p> <p>1. PowerPoint Presentations 2. Textbook On-Line 3. Homework Help (on-line) 4. Test ExamPro Generator 5. One-Stop CD Planner</p>
<p align="center">Evaluation/Activities</p> <p>Homework: To be given daily on each introduced topic Review: All weekly concepts. Quiz: Assessments given as warranted by the curriculum.</p>	<p>Completion date:</p> <p>Completed by:</p> <p>Comments:</p>	<p align="center">Evaluation/Activities</p> <p>Homework: To be given daily on each introduced topic Review: All weekly concepts. Quiz: Assessments given as warranted by the curriculum. Test: On the concept of Properties and Operations</p>	<p>Completion date:</p> <p>Completed by:</p> <p>Comments:</p>

Week 3		Week 4	
Performance Standards		Performance Standards	
<i>The students will:</i>		<i>The students will:</i>	
10.P.1 Describe, compute, extend, analyze, generalize, and create patterns. 10.P.6 Solve equations and inequalities.		10.P.1 Describe, compute, extend, analyze, generalize, and create patterns. 10.P.6 Solve equations and inequalities.	
Unit/Topic/Lesson UNIT TWO Introduction to Functions		Unit/Topic/Lesson UNIT TWO Introduction to Functions	
<ol style="list-style-type: none"> 1. Relations and Functions 2. Function Notation 		<ol style="list-style-type: none"> 1. Exploring Transformations 2. Introduction to Parent Functions 	
Mission and Expectations		Mission and Expectations	
<i>1. Critical Thinking Skills 2. Problem Solving Skills 3. Test Taking Skills</i>		<i>1. Critical Thinking Skills 2. Problem Solving Skills 3. Test Taking Skills</i>	
Objectives	Essential Question	Objectives	Essential Question
<ol style="list-style-type: none"> 1. To identify the domain and range of relations and functions. 2. To determine whether a relation is a function. 3. To write functions using functional notation. 4. To evaluate and graph functions. 	How do you determine whether a relation is a function, both algebraically and graphically?	<ol style="list-style-type: none"> 1. To apply transformations to points and sets of points. 2. To interpret transformations of real-world data. 3. To identify parent functions from graphs and equations. 4. To use parent functions to model real-world data and make estimates for unknown values. 	How do you determine which parent function is represented by a given transformed function in functional notation?
Teacher Resources	Media Resources	Teacher Resources	Media Resources
<i>Holt Algebra 2 ©2007</i> <ol style="list-style-type: none"> 1. Chapter One lessons 2. Chapter One Practice Worksheets 3. Chapter One Pre-Made Assessments 	<i>Holt Algebra 2 ©2007</i> <ol style="list-style-type: none"> 1. PowerPoint Presentations 2. Textbook On-Line 3. Homework Help (on-line) 4. Test ExamPro Generator 5. One-Stop CD Planner 	<i>Holt Algebra 2 ©2007</i> <ol style="list-style-type: none"> 1. Chapter One lessons 2. Chapter One Practice Worksheets 3. Chapter One Pre-Made Assessments 	<i>Holt Algebra 2 ©2007</i> <ol style="list-style-type: none"> 1. PowerPoint Presentations 2. Textbook On-Line 3. Homework Help (on-line) 4. Test ExamPro Generator 5. One-Stop CD Planner
Evaluation/Activities		Evaluation/Activities	
Homework: To be given daily on each introduced topic Review: All weekly concepts. Quiz: Assessments given as warranted by the curriculum.	Completion date: Completed by: Comments:	Homework: To be given daily on each introduced topic Review: All weekly concepts. Quiz: Assessments given as warranted by the curriculum. Test: On concepts involving Properties, Operations and Functions.	Completion date: Completed by: Comments:

Week 5		Week 6	
Performance Standards		Performance Standards	
<i>The students will:</i>		<i>The students will:</i>	
<p>10.P.1 Describe, compute, extend, analyze, generalize, and create patterns.</p> <p>10.P.6 Solve equations and inequalities.</p>		<p>10.P.1 Describe, compute, extend, analyze, generalize, and create patterns.</p> <p>10.P.6 Solve equations and inequalities.</p>	
Unit/Topic/Lesson UNIT THREE Linear Functions		Unit/Topic/Lesson UNIT THREE Linear Functions	
<ol style="list-style-type: none"> 1. Solving Linear Equations and Inequalities (one variable) 2. Solving Proportions 3. Graphing Linear Functions (two variables) 4. Writing Linear Functions (two variables) 5. Linear Inequalities (two variables) 		<ol style="list-style-type: none"> 1. Solving Absolute Value Equations (one variable) 2. Solving Absolute Value Inequalities (one variable) 3. Absolute Value Functions (two variables) 	
Mission and Expectations		Mission and Expectations	
<ol style="list-style-type: none"> 1. Critical Thinking Skills 2. Problem Solving Skills 3. Test Taking Skills 		<ol style="list-style-type: none"> 1. Critical Thinking Skills 2. Problem Solving Skills 3. Test Taking Skills 	
Objectives	Essential Question	Objectives	Essential Question
<ol style="list-style-type: none"> 1. To solve linear equations and inequalities. 2. To apply proportional relationships to rates, similarity, and scale. 3. To graph a linear function. 4. To use slope-intercept and point-slope forms to write a linear function. 5. To solve and graph linear inequalities in two variables 	<p>What are the similarities and differences between solving a linear equation compared to a linear inequality?</p>	<ol style="list-style-type: none"> 1. To solve compound inequalities. 2. To write and solve absolute-value equations and inequalities. 3. To solve absolute value functions with two variables 	<p>What is the difference between a disjunction and a conjunction and how does it apply to absolute values?</p>
Teacher Resources <i>Holt Algebra 2 ©2007</i>	Media Resources <i>Holt Algebra 2 ©2007</i>	Teacher Resources <i>Holt Algebra 2 ©2007</i>	Media Resources <i>Holt Algebra 2 ©2007</i>
<ol style="list-style-type: none"> 1. Chapter Two lessons 2. Chapter Two Practice Worksheets 3. Chapter Two Pre-Made Assessments 	<ol style="list-style-type: none"> 1. PowerPoint Presentations 2. Textbook On-Line 3. Homework Help (on-line) 4. Test ExamPro Generator 5. One-Stop CD Planner 	<ol style="list-style-type: none"> 1. Chapter Two lessons 2. Chapter Two Practice Worksheets 3. Chapter Two Pre-Made Assessments 	<ol style="list-style-type: none"> 1. PowerPoint Presentations 2. Textbook On-Line 3. Homework Help (on-line) 4. Test ExamPro Generator 5. One-Stop CD Planner
Evaluation/Activities		Evaluation/Activities	
<p>Homework: To be given daily on each introduced topic</p> <p>Review: All weekly concepts.</p> <p>Quiz: Assessments given as warranted by the curriculum.</p>	<p>Completion date:</p> <p>Completed by:</p> <p>Comments:</p>	<p>Homework: To be given daily on each introduced topic</p> <p>Review: All weekly concepts.</p> <p>Quiz: Assessments given as warranted by the curriculum.</p> <p>Test: On the concept of Linear Functions</p>	<p>Completion date:</p> <p>Completed by:</p> <p>Comments:</p>

Week 7		Week 8	
Performance Standards		Performance Standards	
<p><i>The students will:</i> 12.P.9 Use matrices to solve systems of linear equations. Apply to everyday problems</p>		<p><i>The students will:</i> 10.P.8 Solve problems using systems of linear Equations or inequalities 12.P.10 Use symbolic, numeric, and graphical methods to solve systems of equations and/or inequalities.</p>	
Unit/Topic/Lesson UNIT FOUR Matrices		Unit/Topic/Lesson UNIT FIVE Systems of Linear Equations and Inequalities	
<ol style="list-style-type: none"> 1. Representations of Data and Data Handling. 2. Operations with Matrices. 3. Solving Problems Using Matrices 4. Matrices Using Graphing Calculators 		<ol style="list-style-type: none"> 1. Solving a System of Linear Equations by Graphing (on paper) 2. Solving a System of Linear Equation by Graphing (using a graphing calculator) 	
Mission and Expectations		Mission and Expectations	
<ol style="list-style-type: none"> 1. Critical Thinking Skills 2. Problem Solving Skills 3. Test Taking Skills 		<ol style="list-style-type: none"> 1. Critical Thinking Skills 2. Problem Solving Skills 3. Test Taking Skills 	
Objectives	Essential Question	Objectives	Essential Question
<ol style="list-style-type: none"> 1. To find the sum, differences, scalar product, and product of matrices. 2. To solve problems involving matrices. 3. To use the graphing calculator to perform operations with matrices. 	<p>How do you determine whether two matrices can be added, subtracted, or multiplied?</p>	<ol style="list-style-type: none"> 1. To find the solution to a linear system by graphing on paper. 2. To find the solution to a linear system by graphing using a graphing calculator. 	<p>How do you classify a linear system as dependent or independent and consistent or inconsistent?</p>
Teacher Resources	Media Resources	Teacher Resources	Media Resources
<p><i>Holt Algebra 2 ©2007</i></p> <ol style="list-style-type: none"> 1. Chapter Four lessons 2. Chapter Four Practice Worksheets 3. Chapter Four Pre-Made Assessments 	<p><i>Holt Algebra 2 ©2007</i></p> <ol style="list-style-type: none"> 1. PowerPoint Presentations 2. Textbook On-Line 3. Homework Help (on-line) 4. Test ExamPro Generator 5. One-Stop CD Planner 	<p><i>Holt Algebra 2 ©2007</i></p> <ol style="list-style-type: none"> 1. Chapter Three lessons 2. Chapter Three Practice Worksheets 3. Chapter Three Pre-Made Assessments 	<p><i>Holt Algebra 2 ©2007</i></p> <ol style="list-style-type: none"> 1. PowerPoint Presentations 2. Textbook On-Line 3. Homework Help (on-line) 4. Test ExamPro Generator 5. One-Stop CD Planner
Evaluation/Activities	Completion date:	Evaluation/Activities	Completion date:
<p>Homework: To be given daily on each introduced topic Review: All weekly concepts. Quiz: Assessments given as warranted by the curriculum. Test: On the concept of Matrices</p>	<p>Completed by:</p> <p>Comments:</p>	<p>Homework: To be given daily on each introduced topic Review: All weekly concepts. Quiz: Assessments given as warranted by the curriculum.</p>	<p>Completed by:</p> <p>Comments:</p>

Week 9		Week 10	
Performance Standards		Performance Standards	
<p><i>The students will:</i> 10.P.8 Solve problems using systems of linear Equations or inequalities 12.P.10 Use symbolic, numeric, and graphical methods to solve systems of equations and/or inequalities.</p>		<p><i>The students will:</i> 10.P.8 Solve problems using systems of linear Equations or inequalities 12.P.10 Use symbolic, numeric, and graphical methods to solve systems of equations and/or inequalities. 12.P.9 Use matrices to solve systems of linear equations. Apply to everyday problems</p>	
Unit/Topic/Lesson UNIT FIVE Systems of Linear Equations and Inequalities		Unit/Topic/Lesson UNIT FIVE Systems of Linear Equations and Inequalities	
<ol style="list-style-type: none"> Solving a System of Linear Equations by Symbolically Using Substitution Solving a System of Linear Equation by Symbolically Using the Elimination Method 		<ol style="list-style-type: none"> Solving a System of Linear Equations by Using Matrices Solving a System of Linear Equations by Using the Appropriate Method 	
Mission and Expectations		Mission and Expectations	
<ol style="list-style-type: none"> Critical Thinking Skills Problem Solving Skills Test Taking Skills 		<ol style="list-style-type: none"> Critical Thinking Skills Problem Solving Skills Test Taking Skills 	
Objectives	Essential Question	Objectives	Essential Question
<ol style="list-style-type: none"> To solve a system of linear equations by the algebraic method of substitution. To solve a system of linear equations by the algebraic method of elimination (linear combination) 	<p>How do you determine whether to use elimination or substitution to solve a linear system?</p>	<ol style="list-style-type: none"> To solve a system of linear equations using matrices concepts. To select the appropriate method to solve a linear system. 	<p>How do you decide which is the appropriate method of solution to a given system of linear equations?</p>
Teacher Resources <i>Holt Algebra 2 ©2007</i>	Media Resources <i>Holt Algebra 2 ©2007</i>	Teacher Resources <i>Holt Algebra 2 ©2007</i>	Media Resources <i>Holt Algebra 2 ©2007</i>
<ol style="list-style-type: none"> Chapter Three lessons Chapter Three Practice Worksheets Chapter Three Pre-Made Assessments 	<ol style="list-style-type: none"> PowerPoint Presentations Textbook On-Line Homework Help (on-line) Test ExamPro Generator One-Stop CD Planner 	<ol style="list-style-type: none"> Chapter Three lessons Chapter Three Practice Worksheets Chapter Three Pre-Made Assessments 	<ol style="list-style-type: none"> PowerPoint Presentations Textbook On-Line Homework Help (on-line) Test ExamPro Generator One-Stop CD Planner
Evaluation/Activities	Completion date:	Evaluation/Activities	Completion date:
<p>Homework: To be given daily on each introduced topic Review: All weekly concepts. Quiz: Assessments given as warranted by the curriculum.</p>	<p>Completed by:</p> <p>Comments:</p>	<p>Homework: To be given daily on each introduced topic Review: All weekly concepts. Quiz: Assessments given as warranted by the curriculum.</p>	<p>Completed by:</p> <p>Comments:</p>

Week 11		Week 12	
<p align="center">Performance Standards</p> <p><i>The students will:</i> 10.P.8 Solve problems using systems of linear Equations or inequalities 12.P.10 Use symbolic, numeric, and graphical methods to solve systems of equations and/or inequalities.</p>		<p align="center">Performance Standards</p> <p><i>The students will:</i> 10.P.8 Solve problems using systems of linear Equations or inequalities 12.P.10 Use symbolic, numeric, and graphical methods to solve systems of equations and/or inequalities.</p>	
<p align="center">Unit/Topic/Lesson UNIT FIVE Systems of Linear Equations and Inequalities</p> <p>1. Solving a System of Linear Equations with Three Variables 2. Solving a System of Linear Inequalities</p>		<p align="center">Unit/Topic/Lesson UNIT FIVE Systems of Linear Equations and Inequalities</p> <p>1. Linear Programming 2. Solving Linear Programming Problems</p>	
<p align="center">Mission and Expectations</p> <p>1. <i>Critical Thinking Skills</i> 2. <i>Problem Solving Skills</i> 3. <i>Test Taking Skills</i></p>		<p align="center">Mission and Expectations</p> <p>1. <i>Critical Thinking Skills</i> 2. <i>Problem Solving Skills</i> 3. <i>Test Taking Skills</i></p>	
<p align="center">Objectives</p> <p>1. To solve a system of linear equations that contains three variables. 2. To solve a system of linear inequalities by graphing.</p>	<p align="center">Essential Question</p> <p>How do determine the solution to a linear inequality by graphing?</p>	<p align="center">Objectives</p> <p>1. To solve linear programming problems. 2. To find the feasible region of solution to a problem.</p>	<p align="center">Essential Question</p> <p>How do you determine the feasible region of solution to a given problem and how do you optimize the objective function?</p>
<p align="center">Teacher Resources <i>Holt Algebra 2 ©2007</i></p> <p>1. Chapter Three lessons 2. Chapter Three Practice Worksheets 3. Chapter Three Pre-Made Assessments</p>	<p align="center">Media Resources <i>Holt Algebra 2 ©2007</i></p> <p>1. PowerPoint Presentations 2. Textbook On-Line 3. Homework Help (on-line) 4. Test ExamPro Generator 5. One-Stop CD Planner</p>	<p align="center">Teacher Resources <i>Holt Algebra 2 ©2007</i></p> <p>1. Chapter Three lessons 2. Chapter Three Practice Worksheets 3. Chapter Three Pre-Made Assessments</p>	<p align="center">Media Resources <i>Holt Algebra 2 ©2007</i></p> <p>1. PowerPoint Presentations 2. Textbook On-Line 3. Homework Help (on-line) 4. Test ExamPro Generator 5. One-Stop CD Planner</p>
<p align="center">Evaluation/Activities</p> <p>Homework: To be given daily on each introduced topic Review: All weekly concepts. Quiz: Assessments given as warranted by the curriculum.</p>	<p>Completion date:</p> <p>Completed by:</p> <p>Comments:</p>	<p align="center">Evaluation/Activities</p> <p>Homework: To be given daily on each introduced topic Review: All weekly concepts. Quiz: Assessments given as warranted by the curriculum. Test: On the concepts of Solving Linear Systems</p>	<p>Completion date:</p> <p>Completed by:</p> <p>Comments:</p>

Week 13		Week 14	
Performance Standards		Performance Standards	
<p><i>The students will:</i> 10.N.1 Identify and use the properties of operations on real numbers.</p>		<p><i>The students will:</i> 10.N.1 Identify and use the properties of operations on real numbers.</p>	
Unit/Topic/Lesson UNIT SIX Factoring		Unit/Topic/Lesson UNIT SIX Factoring	
<ol style="list-style-type: none"> 1. Factoring by Using Common Factors 2. Factoring Special Polynomials 3. Factoring Quadratic Trinomials (where a equals zero) 		<ol style="list-style-type: none"> 1. More Factoring of Quadratic Trinomials (where a does not equal zero) 2. Factoring the Difference of Two Squares 3. Factoring Expressions Completely (using combined concepts) 	
Mission and Expectations		Mission and Expectations	
<ol style="list-style-type: none"> 1. Critical Thinking Skills 2. Problem Solving Skills 3. Test Taking Skills 		<ol style="list-style-type: none"> 1. Critical Thinking Skills 2. Problem Solving Skills 3. Test Taking Skills 	
Objectives	Essential Question	Objectives	Essential Question
<ol style="list-style-type: none"> 1. To factor an expression by factoring a common factor from each term. 2. To factor quadratic trinomials with a quadratic coefficient of one. 	<p>How are the concepts of factoring a quadratic trinomials and FOIL Method related to each other mathematically?</p>	<ol style="list-style-type: none"> 1. To factor a quadratic trinomial with a quadratic coefficient not equal to one. 2. To factor the difference of two squares. 	<p>How do you use the concept of factoring by grouping to factor a quadratic trinomial?</p>
Teacher Resources	Media Resources	Teacher Resources	Media Resources
<p><i>Holt Algebra 2 ©2007</i></p> <ol style="list-style-type: none"> 1. Chapter Five lessons 2. Chapter Five Practice Worksheets 3. Chapter Five Pre-Made Assessments 	<p><i>Holt Algebra 2 ©2007</i></p> <ol style="list-style-type: none"> 1. PowerPoint Presentations 2. Textbook On-Line 3. Homework Help (on-line) 4. Test ExamPro Generator 5. One-Stop CD Planner 	<p><i>Holt Algebra 2 ©2007</i></p> <ol style="list-style-type: none"> 1. Chapter Five lessons 2. Chapter Five Practice Worksheets 3. Chapter Five Pre-Made Assessments 	<p><i>Holt Algebra 2 ©2007</i></p> <ol style="list-style-type: none"> 1. PowerPoint Presentations 2. Textbook On-Line 3. Homework Help (on-line) 4. Test ExamPro Generator 5. One-Stop CD Planner
Evaluation/Activities		Evaluation/Activities	
<p>Homework: To be given daily on each introduced topic Review: All weekly concepts. Quiz: Assessments given as warranted by the curriculum.</p>	<p>Completion date: Completed by: Comments:</p>	<p>Homework: To be given daily on each introduced topic Review: All weekly concepts. Quiz: Assessments given as warranted by the curriculum. Test: On the concepts of Factoring.</p>	<p>Completion date: Completed by: Comments:</p>

Week 15		Week 16	
Performance Standards		Performance Standards	
<p><i>The students will:</i> 10.P.5 Demonstrate an understanding of the relationship between various representations of a line. 10.P.6 Find linear equations that represent lines parallel or perpendicular to given lines. 12.N.1 Define complex numbers and operations on them.</p>		<p><i>The students will:</i> 12.N.1 Define complex numbers and operations on them.</p>	
Unit/Topic/Lesson UNIT SEVEN Algebraic Structure		Unit/Topic/Lesson UNIT SEVEN Algebraic Structures	
<ol style="list-style-type: none"> 1. Real Numbers and Types of Numbers 2. Classifications of Numbers 3. Rational and Irrational Numbers 4. Imaginary Numbers 5. Powers of i 		<ol style="list-style-type: none"> 1. Operations with Imaginary Numbers 2. Complex Numbers 3. Operations with Complex Numbers 	
Mission and Expectations		Mission and Expectations	
<ol style="list-style-type: none"> 1. Critical Thinking Skills 2. Problem Solving Skills 3. Test Taking Skills 		<ol style="list-style-type: none"> 1. Critical Thinking Skills 2. Problem Solving Skills 3. Test Taking Skills 	
Objectives	Essential Question	Objectives	Essential Question
<ol style="list-style-type: none"> 1. To classify different types of numbers. 2. To determine whether a number is rational or irrational. 3. To work with imaginary numbers. 	<p>How are the powers of i derived and how are they cyclic?</p>	<ol style="list-style-type: none"> 1. To define and use imaginary and complex numbers. 2. To perform operations with imaginary and complex numbers. 	<p>Why is it that when simplifying imaginary and complex numbers that the highest power of i is one?</p>
Teacher Resources	Media Resources	Teacher Resources	Media Resources
<i>Holt Algebra 2 ©2007</i>	<i>Holt Algebra 2 ©2007</i>	<i>Holt Algebra 2 ©2007</i>	<i>Holt Algebra 2 ©2007</i>
<ol style="list-style-type: none"> 4. Chapter Five lessons 5. Chapter Five Practice Worksheets 6. Chapter Five Pre-Made Assessments 	<ol style="list-style-type: none"> 1. PowerPoint Presentations 2. Textbook On-Line 3. Homework Help (on-line) 4. Test ExamPro Generator 5. One-Stop CD Planner 	<ol style="list-style-type: none"> 1. Chapter Five lessons 2. Chapter Five Practice Worksheets 3. Chapter Five Pre-Made Assessments 	<ol style="list-style-type: none"> 1. PowerPoint Presentations 2. Textbook On-Line 3. Homework Help (on-line) 4. Test ExamPro Generator 5. One-Stop CD Planner
Evaluation/Activities		Evaluation/Activities	
<p>Homework: To be given daily on each introduced topic Review: All weekly concepts. Quiz: Assessments given as warranted by the curriculum.</p>	<p>Completion date: Completed by: Comments:</p>	<p>Homework: To be given daily on each introduced topic Review: All weekly concepts. Quiz: Assessments given as warranted by the curriculum. Test: On concepts of Algebraic Structures.</p>	<p>Completion date: Completed by: Comments:</p>

Week 17		Week 18	
Performance Standards		Performance Standards	
<p><i>The students will:</i> 10.P.5 Find solutions to quadratic equations. 12.P.7 Find solutions to quadratic equations. 12.P.8 Solve a variety of equations and inequalities. 12.P.12 Identify maximum and minimum values of a function.</p>		<p><i>The students will:</i> 10.P.5 Find solutions to quadratic equations. 12.P.7 Find solutions to quadratic equations. 12.P.8 Solve a variety of equations and inequalities.</p>	
Unit/Topic/Lesson UNIT EIGHT Quadratic Functions		Unit/Topic/Lesson UNIT EIGHT Quadratic Functions	
<ol style="list-style-type: none"> 1. Introduction to Quadratic Functions and Equations 2. Transformation of Quadratic Functions 3. Vertex Form of a Quadratic Function 4. Standard Form of a Quadratic Function 5. Properties of Quadratic Functions 		<ol style="list-style-type: none"> 1. The Zero-Product Property 2. Solving a Quadratic Equation by Factoring 3. Solving a Quadratic Equation by Graphing on Paper 4. Solving a Quadratic Equation by Graphing with the Graphing Calculator 	
Mission and Expectations		Mission and Expectations	
<ol style="list-style-type: none"> 1. Critical Thinking Skills 2. Problem Solving Skills 3. Test Taking Skills 		<ol style="list-style-type: none"> 1. Critical Thinking Skills 2. Problem Solving Skills 3. Test Taking Skills 	
Objectives	Essential Question	Objectives	Essential Question
<ol style="list-style-type: none"> 1. To transform quadratic functions. 2. To write quadratic function in various forms. 3. To identify properties of given quadratic functions. 	<p>How do you determine the minimum and maximum value of a quadratic function from the equation?</p>	<ol style="list-style-type: none"> 1. To solve a quadratic equation by factoring and the zero-product property. 2. To solve a quadratic equation by graphing and determining the zeros. 3. To use a graphing calculator to find the roots of a quadratic equation. 	<p>How does the concept of the zero-product property allow you to find the roots of a quadratic function?</p>
Teacher Resources <i>Holt Algebra 2 ©2007</i>	Media Resources <i>Holt Algebra 2 ©2007</i>	Teacher Resources <i>Holt Algebra 2 ©2007</i>	Media Resources <i>Holt Algebra 2 ©2007</i>
<ol style="list-style-type: none"> 1. Chapter Five lessons 2. Chapter Five Practice Worksheets 3. Chapter Five Pre-Made Assessments 	<ol style="list-style-type: none"> 1. PowerPoint Presentations 2. Textbook On-Line 3. Homework Help (on-line) 4. Test ExamPro Generator 5. One-Stop CD Planner 	<ol style="list-style-type: none"> 1. Chapter Five lessons 2. Chapter Five Practice Worksheets 3. Chapter Five Pre-Made Assessments 	<ol style="list-style-type: none"> 1. PowerPoint Presentations 2. Textbook On-Line 3. Homework Help (on-line) 4. Test ExamPro Generator 5. One-Stop CD Planner
Evaluation/Activities		Evaluation/Activities	
<p>Homework: To be given daily on each introduced topic Review: All weekly concepts. Quiz: Assessments given as warranted by the curriculum.</p>	<p>Completion date: Completed by: Comments:</p>	<p>Homework: To be given daily on each introduced topic Review: All weekly concepts. Quiz: Assessments given as warranted by the curriculum.</p>	<p>Completion date: Completed by: Comments:</p>

Week 19		Week 20	
Performance Standards		Performance Standards	
<p><i>The students will:</i> 10.P.5 Find solutions to quadratic equations. 12.P.7 Find solutions to quadratic equations. 12.P.8 Solve a variety of equations and inequalities.</p>		<p><i>The students will:</i> 10.P.5 Find solutions to quadratic equations. 12.P.7 Find solutions to quadratic equations. 12.P.8 Solve a variety of equations and inequalities.</p>	
Unit/Topic/Lesson UNIT EIGHT Quadratic Functions		Unit/Topic/Lesson UNIT EIGHT Quadratic Functions	
<ol style="list-style-type: none"> Solving a Quadratic Equation using the Square-Root Property Concept of Completing the Square Solving a Quadratic Equation by Completing the Square 		<ol style="list-style-type: none"> Solving a Quadratic Equation by Using the Quadratic Formula Classifying Solutions Using the Discriminant 	
Mission and Expectations		Mission and Expectations	
<ol style="list-style-type: none"> Critical Thinking Skills Problem Solving Skills Test Taking Skills 		<ol style="list-style-type: none"> Critical Thinking Skills Problem Solving Skills Test Taking Skills 	
Objectives	Essential Question	Objectives	Essential Question
<ol style="list-style-type: none"> To complete the procedure of completing the square. To use the concept of completing the square to solve a quadratic equation. To solve a quadratic equation using the square-root property. 	How do you use the concept of completing the square to both put a quadratic equation in standard form and find the roots of that quadratic function?	<ol style="list-style-type: none"> To use the Quadratic Formula to solve a quadratic equation. To use the Discriminant to determine the number and nature of the roots. 	Why does the discriminant determine the number and nature of the roots to a quadratic equation and how does it relate to the Quadratic Formula?
Teacher Resources <i>Holt Algebra 2 ©2007</i>	Media Resources <i>Holt Algebra 2 ©2007</i>	Teacher Resources <i>Holt Algebra 2 ©2007</i>	Media Resources <i>Holt Algebra 2 ©2007</i>
<ol style="list-style-type: none"> Chapter Five lessons Chapter Five Practice Worksheets Chapter Five Pre-Made Assessments 	<ol style="list-style-type: none"> PowerPoint Presentations Textbook On-Line Homework Help (on-line) Test ExamPro Generator One-Stop CD Planner 	<ol style="list-style-type: none"> Chapter Five lessons Chapter Five Practice Worksheets Chapter Five Pre-Made Assessments 	<ol style="list-style-type: none"> PowerPoint Presentations Textbook On-Line Homework Help (on-line) Test ExamPro Generator One-Stop CD Planner
Evaluation/Activities	Completion date:	Evaluation/Activities	Completion date:
<p>Homework: To be given daily on each introduced topic Review: All weekly concepts. Quiz: Assessments given as warranted by the curriculum.</p>	<p>Completed by:</p> <p>Comments:</p>	<p>Homework: To be given daily on each introduced topic Review: All weekly concepts. Quiz: Assessments given as warranted by the curriculum. Test: On the concepts of Quadratic Functions</p>	<p>Completed by:</p> <p>Comments:</p>

Week 21		Week 22	
<p align="center">Performance Standards</p> <p><i>The students will:</i> 12.P.6 Recognize functions as polynomial, rational, logarithmic, or exponential. 12.P.3 Demonstrate an understanding of the binomial theorem 12.P.11 Solve everyday problems that can be modeled using polynomial, rational, exponential, logarithmic, step functions, absolute value and square roots.</p>		<p align="center">Performance Standards</p> <p><i>The students will:</i> 12.P.6 Recognize functions as polynomial, rational, logarithmic, or exponential. 12.P.3 Demonstrate an understanding of the binomial theorem 12.P.11 Solve everyday problems that can be modeled using polynomial, rational, exponential, logarithmic, step functions, absolute value and square roots.</p>	
<p align="center">Unit/Topic/Lesson UNIT NINE Operations with Polynomials</p> <ol style="list-style-type: none"> Classification of Polynomials Addition and Subtraction of Polynomials Multiplication of Polynomials 		<p align="center">Unit/Topic/Lesson UNIT NINE Operations with Polynomials</p> <ol style="list-style-type: none"> Long Division of Polynomials Synthetic Division of Polynomials Factoring Polynomials 	
<p align="center">Mission and Expectations</p> <p>1. <i>Critical Thinking Skills</i> 2. <i>Problem Solving Skills</i> 3. <i>Test Taking Skills</i></p>		<p align="center">Mission and Expectations</p> <p>1. <i>Critical Thinking Skills</i> 2. <i>Problem Solving Skills</i> 3. <i>Test Taking Skills</i></p>	
<p align="center">Objectives</p> <ol style="list-style-type: none"> To identify, evaluate, add, and subtract polynomials. To multiply polynomials. To use binomial expansion to expand binomial expressions that are raised to various positive integer powers. 	<p align="center">Essential Question</p> <p>How is multiplying any two polynomials just an expansion of the distributive property?</p>	<p align="center">Objectives</p> <ol style="list-style-type: none"> To use long division and synthetic division to divide polynomials. To determine factors of a polynomial. To factor a polynomial by grouping. To factor the sum or difference of two cubes. 	<p align="center">Essential Question</p> <p>Why is it important to supply a zero for a coefficient of any missing term, when you are divide polynomials?</p>
<p align="center">Teacher Resources <i>Holt Algebra 2 ©2007</i></p> <ol style="list-style-type: none"> Chapter Six lessons Chapter Six Practice Worksheets Chapter Six Pre-Made Assessments 	<p align="center">Media Resources <i>Holt Algebra 2 ©2007</i></p> <ol style="list-style-type: none"> PowerPoint Presentations Textbook On-Line Homework Help (on-line) Test ExamPro Generator One-Stop CD Planner 	<p align="center">Teacher Resources <i>Holt Algebra 2 ©2007</i></p> <ol style="list-style-type: none"> Chapter Six lessons Chapter Six Practice Worksheets Chapter Six Pre-Made Assessments 	<p align="center">Media Resources <i>Holt Algebra 2 ©2007</i></p> <ol style="list-style-type: none"> PowerPoint Presentations Textbook On-Line Homework Help (on-line) Test ExamPro Generator One-Stop CD Planner
<p align="center">Evaluation/Activities</p> <p>Homework: To be given daily on each introduced topic Review: All weekly concepts. Quiz: Assessments given as warranted by the curriculum.</p>	<p>Completion date:</p> <p>Completed by:</p> <p>Comments:</p>	<p align="center">Evaluation/Activities</p> <p>Homework: To be given daily on each introduced topic Review: All weekly concepts. Quiz: Assessments given as warranted by the curriculum. Test: On the concepts of Polynomials.</p>	<p>Completion date:</p> <p>Completed by:</p> <p>Comments:</p>

Week 23		Week 24	
Performance Standards		Performance Standards	
<p><i>The students will:</i> 12.P.4 Demonstrate an understanding of exponential and logarithmic functions. 12.P.5 Perform operations on functions, including composition. Find the inverses of functions. 12.P.6 Recognize functions as polynomial, rational, logarithmic, or exponential. 12.P.11 Solve everyday problems that can be modeled using polynomial, rational, exponential, logarithmic, step functions, absolute value and square roots.</p>		<p><i>The students will:</i> 12.P.4 Demonstrate an understanding of exponential and logarithmic functions. 12.P.6 Recognize functions as polynomial, rational, logarithmic, or exponential. 12.P.11 Solve everyday problems that can be modeled using polynomial, rational, exponential, logarithmic, step functions, absolute value and square roots.</p>	
Unit/Topic/Lesson UNIT TEN Exponential and Logarithmic Functions		Unit/Topic/Lesson UNIT TEN Exponential and Logarithmic Functions	
<ol style="list-style-type: none"> 1. Exponential Functions 2. Exponential Growth and Decay 3. Inverse of Relations and Functions 		<ol style="list-style-type: none"> 1. Logarithmic Functions 2. Properties of Logarithms 	
Objectives	Essential Question	Objectives	Essential Question
<ol style="list-style-type: none"> 1. To write and evaluate exponential expressions to model growth or decay situations. 2. To graph and recognize inverses of both relations and functions. 3. To find inverse of functions. 	<p>How do you use the concept of exponential growth to work with the principle of compound interest?</p>	<ol style="list-style-type: none"> 1. To write equivalent forms for exponential and logarithmic functions. 2. To write, graph, and evaluate logarithmic functions. 3. To use the properties of logarithms to simplify logarithmic expressions. 4. To translate between logarithms in any base. 	<p>How do you convert between exponential and logarithmic form?</p>
Teacher Resources <i>Holt Algebra 2 ©2007</i>	Media Resources <i>Holt Algebra 2 ©2007</i>	Teacher Resources <i>Holt Algebra 2 ©2007</i>	Media Resources <i>Holt Algebra 2 ©2007</i>
<ol style="list-style-type: none"> 1. Chapter Seven lessons 2. Chapter Seven Practice Worksheets 3. Chapter Seven Pre-Made Assessments 	<ol style="list-style-type: none"> 1. PowerPoint Presentations 2. Textbook On-Line 3. Homework Help (on-line) 4. Test ExamPro Generator 5. One-Stop CD Planner 	<ol style="list-style-type: none"> 1. Chapter Seven lessons 2. Chapter Seven Practice Worksheets 3. Chapter Seven Pre-Made Assessments 	<ol style="list-style-type: none"> 1. PowerPoint Presentations 2. Textbook On-Line 3. Homework Help (on-line) 4. Test ExamPro Generator 5. One-Stop CD Planner
Evaluation/Activities	Completion date:	Evaluation/Activities	Completion date:
<p>Homework: To be given daily on each introduced topic Review: All weekly concepts. Quiz: Assessments given as warranted by the curriculum.</p>	<p>Completed by:</p> <p>Comments:</p>	<p>Homework: To be given daily on each introduced topic Review: All weekly concepts. Quiz: Assessments given as warranted by the curriculum.</p>	<p>Completed by:</p> <p>Comments:</p>

Week 25		Week 26	
Performance Standards		Performance Standards	
<p><i>The students will:</i> 12.P.4 Demonstrate an understanding of exponential and logarithmic functions. 12.P.6 Recognize functions as polynomial, rational, logarithmic, or exponential.</p>		<p><i>The students will:</i> 12.P.6 Recognize functions as polynomial, rational, logarithmic, or exponential.</p>	
Unit/Topic/Lesson UNIT TEN Exponential and Logarithmic Functions		Unit/Topic/Lesson UNIT ELEVEN Rational Functions	
<ol style="list-style-type: none"> The Natural Base e Exponential and Logarithmic Equations 		<ol style="list-style-type: none"> Simplifying Rational Expressions Multiplication of Rational Expressions Division of Rational Expressions 	
Objectives	Essential Question	Objectives	Essential Question
<ol style="list-style-type: none"> To use the number e to write and graph exponential functions. To solve equations and problems involving e or the natural logarithm. 	How do you use the inverse relationship between exponential and logarithmic functions to solve equations?	<ol style="list-style-type: none"> To simplify rational expressions. To multiply and divide rational expressions. 	Why is it important to state the restricted values before simplifying a rational expression?
Teacher Resources <i>Holt Algebra 2 ©2007</i>	Media Resources <i>Holt Algebra 2 ©2007</i>	Teacher Resources <i>Holt Algebra 2 ©2007</i>	Media Resources <i>Holt Algebra 2 ©2007</i>
<ol style="list-style-type: none"> Chapter Seven lessons Chapter Seven Practice Worksheets Chapter Seven Pre-Made Assessments 	<ol style="list-style-type: none"> PowerPoint Presentations Textbook On-Line Homework Help (on-line) Test ExamPro Generator One-Stop CD Planner 	<ol style="list-style-type: none"> Chapter Eight lessons Chapter Eight Practice Worksheets Chapter Eight Pre-Made Assessments 	<ol style="list-style-type: none"> PowerPoint Presentations Textbook On-Line Homework Help (on-line) Test ExamPro Generator One-Stop CD Planner
Evaluation/Activities	Completion date:	Evaluation/Activities	Completion date:
<p>Homework: To be given daily on each introduced topic Review: All weekly concepts. Quiz: Assessments given as warranted by the curriculum. Test: On the concepts of Exponential and Logarithmic Functions</p>	Completed by:	<p>Homework: To be given daily on each introduced topic Review: All weekly concepts. Quiz: Assessments given as warranted by the curriculum.</p>	Comments:

Week 27		Week 28	
Performance Standards		Performance Standards	
<p><i>The students will:</i> 12.P.6 Recognize functions as polynomial, rational, logarithmic, or exponential. 12.P.11 Solve everyday problems that can be modeled using polynomial, rational, exponential, logarithmic, step functions, absolute value and square roots.</p>		<p><i>The students will:</i> 12.P.6 Recognize functions as polynomial, rational, logarithmic, or exponential. 12.N.2 Simplify numerical expressions with powers and roots, including fractional and negative exponents.</p>	
Unit/Topic/Lesson UNIT ELEVEN Rational Functions		Unit/Topic/Lesson UNIT TWELVE Radical Functions	
<ol style="list-style-type: none"> Addition of Rational Expressions Subtraction of Rational Expressions Simplification of Complex Fractions 		<ol style="list-style-type: none"> Simplification of Radical Expressions Properties of Radical Exponents 	
Objectives	Essential Question	Objectives	Essential Question
<ol style="list-style-type: none"> To add or subtract rational expressions. To simplify complex fractions. 	How do you know when a rational expression can be simplified?	<ol style="list-style-type: none"> To rewrite radical expressions by using rational exponents. To simplifying and evaluate radical expressions and expressions with rational exponents. 	How do the concepts of n th roots relate with rational exponents?
Teacher Resources <i>Holt Algebra 2 ©2007</i>	Media Resources <i>Holt Algebra 2 ©2007</i>	Teacher Resources <i>Holt Algebra 2 ©2007</i>	Media Resources <i>Holt Algebra 2 ©2007</i>
<ol style="list-style-type: none"> Chapter Eight lessons Chapter Eight Practice Worksheets Chapter Eight Pre-Made Assessments 	<ol style="list-style-type: none"> PowerPoint Presentations Textbook On-Line Homework Help (on-line) Test ExamPro Generator One-Stop CD Planner 	<ol style="list-style-type: none"> Chapter Eight lessons Chapter Eight Practice Worksheets Chapter Eight Pre-Made Assessments 	<ol style="list-style-type: none"> PowerPoint Presentations Textbook On-Line Homework Help (on-line) Test ExamPro Generator One-Stop CD Planner
Evaluation/Activities	Completion date:	Evaluation/Activities	Completion date:
<p>Homework: To be given daily on each introduced topic Review: All weekly concepts. Quiz: Assessments given as warranted by the curriculum. Test: On the concepts of Rational Functions.</p>	Completed by:	<p>Homework: To be given daily on each introduced topic Review: All weekly concepts. Quiz: Assessments given as warranted by the curriculum.</p>	Comments:

Week 29		Week 30	
Performance Standards		Performance Standards	
<p><i>The students will:</i> 12.P.6 Recognize functions as polynomial, rational, logarithmic, or exponential. 12.N.2 Simplify numerical expressions with powers and roots, including fractional and negative exponents.</p>		<p><i>The students will:</i> 12.G.4 Relate geometric and algebraic representations of line, curves, and conic sections.</p>	
Unit/Topic/Lesson UNIT TWELVE Radical Functions		Unit/Topic/Lesson UNIT THIRTEEN Conic Sections	
<ol style="list-style-type: none"> 1. Radical Functions 2. Solving Radical Equations 		<ol style="list-style-type: none"> 1. Introduction to Conic Sections 2. Parabolas 3. Circles 	
Objectives	Essential Question	Objectives	Essential Question
<ol style="list-style-type: none"> 1. To graph radical functions. 2. To solve radical equations. 	Why is it necessary to check the possible solutions for extraneous roots when solving a radical equation?	<ol style="list-style-type: none"> 1. To recognize conic sections as intersections of planes and cones. 2. To write the equation of parabola and identify its focus, directrix, and the axis of symmetry. 3. To write the equation of a circle and identify its center and radius. 	How can a circle be defined in terms of distances?
Teacher Resources <i>Holt Algebra 2 ©2007</i>	Media Resources <i>Holt Algebra 2 ©2007</i>	Teacher Resources <i>Holt Algebra 2 ©2007</i>	Media Resources <i>Holt Algebra 2 ©2007</i>
<ol style="list-style-type: none"> 1. Chapter Eight lessons 2. Chapter Eight Practice Worksheets 3. Chapter Eight Pre-Made Assessments 	<ol style="list-style-type: none"> 1. PowerPoint Presentations 2. Textbook On-Line 3. Homework Help (on-line) 4. Test ExamPro Generator 5. One-Stop CD Planner 	<ol style="list-style-type: none"> 1. Chapter Ten lessons 2. Chapter Ten Practice Worksheets 3. Chapter Ten Pre-Made Assessments 	<ol style="list-style-type: none"> 1. PowerPoint Presentations 2. Textbook On-Line 3. Homework Help (on-line) 4. Test ExamPro Generator 5. One-Stop CD Planner
Evaluation/Activities	Completion date:	Evaluation/Activities	Completion date:
<p>Homework: To be given daily on each introduced topic Review: All weekly concepts. Quiz: Assessments given as warranted by the curriculum. Test: On the concepts of Radical Functions.</p>	<p>Completed by:</p> <p>Comments:</p>	<p>Homework: To be given daily on each introduced topic Review: All weekly concepts. Quiz: Assessments given as warranted by the curriculum.</p>	<p>Completed by:</p> <p>Comments:</p>

Week 31		Week 32	
Performance Standards		Performance Standards	
<p><i>The students will:</i> 12.G.4 Relate geometric and algebraic representations of line, curves, and conic sections.</p>		<p><i>The students will:</i> 12.G.4 Relate geometric and algebraic representations of line, curves, and conic sections.</p>	
Unit/Topic/Lesson UNIT THIRTEEN Conic Sections		Unit/Topic/Lesson UNIT THIRTEEN Conic Sections	
<ol style="list-style-type: none"> 1. Ellipses 2. Hyperbolas 		<ol style="list-style-type: none"> 1. Identification of Conic Sections 2. Review of Conic Sections 	
Objectives	Essential Question	Objectives	Essential Question
<ol style="list-style-type: none"> 1. To write the equation of an ellipse and identify its center, vertices, co-vertices, and foci. 2. To write the equation of a hyperbola and identify its vertices, co-vertices, center, foci, and asymptotes. 	<p>How do foci of an ellipse relate to the concept of distance?</p>	<ol style="list-style-type: none"> 1. To identify and transform conic sections. 2. To use completing the square to identify and graph conic sections. 	<p>How do you determine which conic section is being described by looking at the equation?</p>
Teacher Resources <i>Holt Algebra 2 ©2007</i>	Media Resources <i>Holt Algebra 2 ©2007</i>	Teacher Resources <i>Holt Algebra 2 ©2007</i>	Media Resources <i>Holt Algebra 2 ©2007</i>
<ol style="list-style-type: none"> 1. Chapter Ten lessons 2. Chapter Ten Practice Worksheets 3. Chapter Ten Pre-Made Assessments 	<ol style="list-style-type: none"> 1. PowerPoint Presentations 2. Textbook On-Line 3. Homework Help (on-line) 4. Test ExamPro Generator 5. One-Stop CD Planner 	<ol style="list-style-type: none"> 1. Chapter Ten lessons 2. Chapter Ten Practice Worksheets 3. Chapter Ten Pre-Made Assessments 	<ol style="list-style-type: none"> 1. PowerPoint Presentations 2. Textbook On-Line 3. Homework Help (on-line) 4. Test ExamPro Generator 5. One-Stop CD Planner
Evaluation/Activities		Evaluation/Activities	
<p>Homework: To be given daily on each introduced topic</p> <p>Review: All weekly concepts.</p> <p>Quiz: Assessments given as warranted by the curriculum.</p>	<p>Completion date:</p> <p>Completed by:</p> <p>Comments:</p>	<p>Homework: To be given daily on each introduced topic</p> <p>Review: All weekly concepts.</p> <p>Quiz: Assessments given as warranted by the curriculum.</p> <p>Test: On the concepts involving Conic Sections.</p>	<p>Completion date:</p> <p>Completed by:</p> <p>Comments:</p>

Week 33		Week 34	
Performance Standards		Performance Standards	
<p>The students will:</p> <p>12.P.1 Describe, complete, extend, analyze, generalize, and create a wide variety of patterns, including iterative and recursive patterns such as Pascal's Triangle.</p> <p>12.P.2 Identify arithmetic and geometric sequences and finite arithmetic and geometric series. Use the properties of such sequences and series to solve problems, including finding the general term and sum recursively and explicitly.</p>		<p>The students will:</p> <p>12.P.1 Describe, complete, extend, analyze, generalize, and create a wide variety of patterns, including iterative and recursive patterns such as Pascal's Triangle.</p> <p>12.P.2 Identify arithmetic and geometric sequences and finite arithmetic and geometric series. Use the properties of such sequences and series to solve problems, including finding the general term and sum recursively and explicitly.</p>	
Unit/Topic/Lesson UNIT FOURTEEN Sequences and Series		Unit/Topic/Lesson UNIT FOURTEEN Sequences and Series	
<ol style="list-style-type: none"> Algebraic Sequences Algebraic Series 		<ol style="list-style-type: none"> Geometric Sequences Geometric Series 	
Objectives	Essential Question	Objectives	Essential Question
<ol style="list-style-type: none"> To find the indicated terms of an arithmetic sequence. To find the sums of an arithmetic series. 	How do you find the nth term of an arithmetic sequence without finding all of the terms prior to that term?	<ol style="list-style-type: none"> To find the indicated terms of an geometric sequence. To find the sums of a geometric series 	When can you find the sum of an infinite series?
Teacher Resources	Media Resources	Teacher Resources	Media Resources
<i>Holt Algebra 2 ©2007</i> <ol style="list-style-type: none"> Chapter Twelve lessons Chapter Twelve Practice Worksheets Chapter Twelve Pre-Made Assessments 	<i>Holt Algebra 2 ©2007</i> <ol style="list-style-type: none"> PowerPoint Presentations Textbook On-Line Homework Help (on-line) Test ExamPro Generator One-Stop CD Planner 	<i>Holt Algebra 2 ©2007</i> <ol style="list-style-type: none"> Chapter Twelve lessons Chapter Twelve Practice Worksheets Chapter Twelve Pre-Made Assessments 	<i>Holt Algebra 2 ©2007</i> <ol style="list-style-type: none"> PowerPoint Presentations Textbook On-Line Homework Help (on-line) Test ExamPro Generator One-Stop CD Planner
Evaluation/Activities	Completion date:	Evaluation/Activities	Completion date:
<p>Homework: To be given daily on each introduced topic</p> <p>Review: All weekly concepts.</p> <p>Quiz: Assessments given as warranted by the curriculum.</p>	<p>Completed by:</p> <p>Comments:</p>	<p>Homework: To be given daily on each introduced topic</p> <p>Review: All weekly concepts.</p> <p>Quiz: Assessments given as warranted by the curriculum.</p> <p>Test: On the concepts of Sequences and Series.</p>	<p>Completed by:</p> <p>Comments:</p>

Week 35		Week 36	
Performance Standards		Performance Standards	
<p><i>The students will:</i> 12.P.4 Demonstrate an understanding of trigonometric, exponential and logarithmic functions. 12.G.1 Define the sine, cosine, and tangent of an acute angle. Apply to the solution of problems. 12.P.6 Given algebraic, numeric and/or graphical representations, recognize functions as polynomial, rational, logarithmic, exponential, or trigonometric.</p>		<p><i>The students will:</i> 12.P.4 Demonstrate an understanding of trigonometric, exponential and logarithmic functions. 12.G.1 Define the sine, cosine, and tangent of an acute angle. Apply to the solution of problems. 12.P.6 Given algebraic, numeric and/or graphical representations, recognize functions as polynomial, rational, logarithmic, exponential, or trigonometric.</p>	
Unit/Topic/Lesson UNIT FIFTEEN Trigonometric Functions		Unit/Topic/Lesson UNIT FIFTEEN Trigonometric Functions	
<ol style="list-style-type: none"> Right Angle Trigonometry Angles of Rotation 		<ol style="list-style-type: none"> The Unit Circle Inverse Trigonometric Functions 	
Mission and Expectations		Mission and Expectations	
<ol style="list-style-type: none"> Critical Thinking Skills Problem Solving Skills Test Taking Skills 		<ol style="list-style-type: none"> Critical Thinking Skills Problem Solving Skills Test Taking Skills 	
Objectives	Essential Question	Objectives	Essential Question
<ol style="list-style-type: none"> To understand and use trigonometric relationships of acute angles in triangles. To determine side lengths of right triangles by using trigonometric functions. To draw angles in standard position. To determine values of the trigonometric functions for an angle in standard position. 	<p>How do you use right trigonometric ratios to find missing sides of right triangles?</p>	<ol style="list-style-type: none"> To convert angle measures between degrees and radians. To find the values of trigonometric functions on the unit circle. To evaluate inverse trigonometric functions. To use trigonometric functions and inverse trigonometric functions to solve problems. 	<p>How do you convert angle measure between degrees and radians and why would this conversion be necessary?</p>
Teacher Resources	Media Resources	Teacher Resources	Media Resources
<p><i>Holt Algebra 2 ©2007</i></p> <ol style="list-style-type: none"> Chapter Thirteen lessons Chapter Thirteen Practice Worksheets Chapter Thirteen Pre-Made Assessments 	<p><i>Holt Algebra 2 ©2007</i></p> <ol style="list-style-type: none"> PowerPoint Presentations Textbook On-Line Homework Help (on-line) Test ExamPro Generator One-Stop CD Planner 	<p><i>Holt Algebra 2 ©2007</i></p> <ol style="list-style-type: none"> Chapter Thirteen lessons Chapter Thirteen Practice Worksheets Chapter Thirteen Pre-Made Assessments 	<p><i>Holt Algebra 2 ©2007</i></p> <ol style="list-style-type: none"> PowerPoint Presentations Textbook On-Line Homework Help (on-line) Test ExamPro Generator One-Stop CD Planner
Evaluation/Activities		Evaluation/Activities	
<p>Homework: To be given daily on each introduced topic Review: All weekly concepts. Quiz: Assessments given as warranted by the curriculum.</p>	<p>Completion date: Completed by: Comments:</p>	<p>Homework: To be given daily on each introduced topic Review: All weekly concepts. Quiz: Assessments given as warranted by the curriculum. Test: On the concepts of Trigonometric Functions.</p>	<p>Completion date: Completed by: Comments:</p>