## **Grade 7 Advanced Math**

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Content	Skills	Learning Targets (Aligned to State Standards)	Assessment	Resources & Technology
CEQ:  • HOW ARE  NUMBER SENSE	Chapter 1: Algebraic Expressions	Chapter 1: Algebraic Expressions	Chapter 1: Algebraic Expressions	Chapter 1: Algebraic Expressions
AND MATHEMATICA L OPERATIONS APPLIED IN PRE-ALGEBRA?  HOW ARE ALGEBRAIC EQUATIONS SOLVED AND LINEAR RELATIONSHIP S GRAPHED?  HOW ARE FORMULAS	A. Variable and expressions  A1. Identify and write numerical and variable expressions  A2. Evaluate variable expressions  A3. Solve problems by evaluating expressions	Learning Target #1:  I can identify, write, and evaluate numerical and variable expressions. (7.2.3.1)  Learning Target #2:  I can perform the order of operations using integers. (7.2.3.3)  Learning Target #3:	A. Variables and expressions  B. Order of operations  C. Integers and absolute value  CFA: Quiz on A - C  CSA: Chapter 1 TEST on A - E	Prentice Hall Mathematics Algebra Readiness  Unit Assessments:  S:\Middle School\7th Grade\Math Stuff  Key Vocabulary:  • absolute value • expressions (numerical and
USED TO MEASURE SURFACE AREA AND VOLUME OF GEOMETRIC FIGURES WITH CUSTOMARY	B. Order of operations  B1. Apply the order of operations	I can represent, graph, and order integers. I can determine absolute value. (7.1.2.6, 7.1.1.5, 7.1.1.4)  Learning Target #4:		variable)  evaluate  integers  inverse operations  order of operations  variable

AND METRIC		I can identify the parts of a	
SYSTEMS?	C. Integers and absolute	coordinate plane and graph	
• HOW	value	ordered pairs. (7.1.1.3)	
ARE VARIOUS			
GRAPHS AND			
MEASURES OF	C1. Determine absolute		
CENTRAL TENDENCY USE	value		
TENDENCY USE D TO MODEL	C2 Danuagant and arden		
DATA?	C2. Represent and order integers		
DAIA:	integers		
	D. Operations with		
UEQ: Chapter 1	integers		
Algebraic Expressions			
<b>,s</b>	D1. Apply rules and use		
	models to add, subtract,		
	multiply, and divide		
• How can I use	integers		
variables and			
operations to write	E. Coordinate plane		
<ul><li>an expression?</li><li>How are integers</li></ul>	E. Coordinate plane		
used to perform			
operations?			
<ul><li>What is the</li></ul>	E1. Identify coordinates		
meaning of	and quadrants		
absolute value and			
how can I	E2. Graph ordered pairs		
determine it's			
value?			

• How are points graphed in a coordinate plane?		

Octol	ber
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Content	Skills	Learning Targets (Aligned to State Standards)	Assessment	Resources & Technology
UEQ: Chapter 2 Solving One-Step Equations and Inequalities	Chapter 2: Solving One-	Chapter 2: Solving One-	Chapter 2: Solving One-	Chapter 2: Solving One-
	Step Equations	Step Equations	Step Equations	Step Equations
	and Inequalities	and Inequalities	and Inequalities	and Inequalities

,s ,s		A. Properties of Numbers	(7.2.2.4)	A. Properties of Numbers	Prentice Hall Mathematics: Algebra Readiness
•	How are the properties of numbers(identity, inverse, distributive,	<ul><li>A1. Identify and use properties</li><li>A2. Apply the distributive property to</li></ul>	Learning Target #1:  I can identify and apply the properties of numbers (commutative,	B. Variables, Variable Expressions, and Equations  CFA: QUIZ on A - B1	Unit Tests  S:\Middle School\7th  Grade\Math Stuff
•	associative, and commutative) applied? How are equations written and solved?	numerical and algebraic expressions  B. Variables, Variable	associative, identity, and distributive) (7.2.3.1)  Learning Target #2:	C. Solving Equations Using Operations	Key Vocabulary:
•	How are inequalities written, solved, and graphed?	Expressions, and Equations	I can classify and solve one-step equations using inverse operations.	D. Solving One-Step Inequalities Using Operations	<ul><li>Commutative Property</li><li>Associative Property</li></ul>
		B1. Identify parts of and simplify variable expressions	(7.2.4.1) Learning Target #3:	CFA: QUIZ on B2 - D1	<ul> <li>Identity Property</li> <li>Distributive Property Coefficient</li> </ul>
		B2. Classify types of equations  B3. Check equations	I can solve and graph one-step inequalities using inverse operations.	CSA: Chapter 2 Test	<ul><li>Constant</li><li>Like Terms</li><li>Inverse Operations</li><li>Equation</li></ul>
		using substitution  C. Solving Equations Using Operations	(7.2.2.4)		<ul><li>Inequality</li><li>Solution</li></ul>
		C1. Use operations to solve equations			

November Content	Skills	Learning Targets	Assessment	Resources & Technology
	to solve inequalities			
	<ul><li>D1. Graph inequalities</li><li>D2. Use operations</li></ul>			
	D. Solving One-Step Inequalities Using Operations			

(Aligned to State

Standards)

UEQ: Chapter 3 Decimals and Equations	Chapter 3: Decimals and Equations	Chapter 3: Decimals and Equations (7.1.2.1)	Chapter 3: Decimals and Equations	Chapter 3: Decimals and Equations
	A. Rounding and	Learning Target #1:	A. Rounding and	Prentice Hall Mathematics:
<ul> <li>How can decimals</li> </ul>	Estimating		Estimating	Algebra Readiness
be used to estimate	S	I can round and estimate		
and solve	A1. Round Decimals	with decimals. (7.1.2.1)	B. Solving One-Step	Unit Tests
equations?			Equations Involving	S:\Middle School\7th
<ul> <li>How do you convert</li> </ul>	A2. Estimate sums,	Learning Target #2:	Decimals	Grade\Math Stuff
metric units of	differences, products, and			
measure?	quotients	I can solve one-step	<b>CFA:</b> QUIZ on A-B	Joe Decimal Movie Clips
		equations that have		S:\Middle School\7th
	***Review All Decimal	decimals in them. (7.2.4.1)	<b>CSA:</b> Chapter 3 Test	Grade\Math Stuff
	Operations			
		Learning Target #3:		You Tube Video
	B. Solving One-Step			The Rappin'
	<b>Equations Involving</b>	I can substitute into and		Mathematician Decimals
	Decimals	evaluate formulas. (7.2.3.2)		http://www.youtube.com/w
	D1 11 1 0			atch?v
	B1. Use the four operations	Learning Target #4:		
	to solve equations	<b>T</b>		
	C F 1	I can convert metric units		Voy Vocabulowy
	C. Formulas	of measurement. (7.2.2.2)		<b>Key Vocabulary:</b>
	C1. Substitute into			<ul> <li>Compatible</li> </ul>
	formulas			Numbers
	Torrituras			• Formula
	D. Using Metric System			- Tomaia
	D1. Convert Metric Units			

	D2. Identify Appropriate Metric Units			
December				
Content	Skills	Learning Targets (Aligned to State Standards)	Assessment	Resources & Technology
UEQ: Chapter 4	Chapter 4: Factors,	Chapter 4: Factors,	Chapter 4: Factors,	Chapter 4: Factors,
Factors, Fractions,	Fractions, and Exponents	Fractions,	Fractions,	Fractions,
and		and Exponents	and Exponents	and Exponents
<b>Exponents</b>	A. Divisibility and			
-	Factors	Learning Target #1:	A. Divisibility and	Prentice Hall
<ul><li>How are</li></ul>	A1. Use divisibility tests		Factors	Mathematics: Algebra
expressions	A2. Find factors	I can find factors using	B. Exponents	Readiness
simplified using	D. Ermananta	divisibility tests and	C. Prime Factorization and Greatest Common Factor	Unit Tests
exponents?	<ul><li>B. Exponents</li><li>B1. Use exponents</li></ul>	prime factorization. (7.1.1.5)	D. Fractions	S:\Middle School\7th
• How can fractions	B2. Apply the Order of	(7.1.1.3)	D. Fractions	Grade\Math Stuff
be simplified?	Operations with	Learning Target #2:	CFA: QUIZ on A - D	Grade Wiath Stuff
<ul> <li>How can scientific notation be written</li> </ul>	exponents	Zeming Imger "Ze		
and calculated?	•	I can simplify expressions		Key Vocabulary:
<ul><li>How can problems</li></ul>	C. Prime Factorization	with exponents. (7.1.2.1,	E. Rational Numbers	,
be solved by first	and Greatest Common	7.2.3.1)	F. Exponents with	• Prime
, , , , , , , , , , , , , , , , , , ,	Factor		Multiplication and	<ul><li>Composite</li></ul>
	C1. Find prime		Division	• Factor

solving a simpler problem?	factorization C2. Determine greatest common factor  D. Fractions D1. Calculate equivalent fractions D2. Simplify fractions  E. Rational Numbers E1. Identify rational numbers E2. Evaluate fractions containing variables  F. Exponents with Multiplication and Division F1. Multiply powers with the same base F2. Find a power of a power F3. Divide powers with the same base F4. Simplify expressions with integer exponents  G. Scientific Notation G1. Write, calculate, and evaluate scientific notation	Learning Target #3:  I can simplify fractions with numbers and variables. (7.1.1.5)  Learning Target #4:  I can identify and evaluate expressions using rational numbers. (7.2.3.2)  Learning Target #5:  I can write numbers in standard and scientific notation.	CFA: QUIZ on E - F  G. Scientific Notation  CSA= Chapter 4 Unit Test	<ul> <li>Divisible</li> <li>Exponents</li> <li>Rational Number</li> <li>Scientific Notation</li> <li>Prime Factorization</li> <li>Greatest Common Factor (GCF)</li> </ul>
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January				
Content	Skills	Learning Targets (Aligned to State Standards)	Assessment	Resources & Technology
UEQ: Chapter 5	<b>Chapter 5: Operations</b>	<b>Chapter 5: Operations</b>	<b>Chapter 5: Operations</b>	<b>Chapter 5: Operations</b>
Operations with	with Fractions	with Fractions (7.1.2.1)	with Fractions	with Fractions
Fractions  • How are operations performed with	A. Rational Numbers A1. Compare and Order	Learning Target #1:	A. Rational Numbers B. Fractions and	Prentice Hall Mathematics: Algebra
fractions?  • How are fractions	B. Fractions and	I can convert, order, and graph fractions and	Decimals C. Operations with Fractions	Readiness Unit Tests
used to solve	Decimals	decimals. (7.1.1.1, 7.1.1.5,	C1. Add	S:\Middle School\7th
<ul><li>equations?</li><li>How are powers of products and</li></ul>	B1. Convert fractions to decimals	7.1.1.2)	C2. Subtract	Grade\Math Stuff
quotients found?	<b>B2.</b> Convert decimals to fractions	Learning Target #2:	E. One-Step Equations	Learning Target
		I can add, subtract, multiply, and divide	E1. Solve equations by adding or subtracting	Examples:
	C. Operations with Fractions	fractions. (7.1.2.1)	fractions	S:\Middle School\7th Grade\Math Stuff
	C1. Add C2. Subtract		CFA: Quiz on A - C2 and	

	Learning Target #3:	E1	Koy Voogbulawy
E. One-Step Equations E1. Solve equations by adding or subtracting fractions  C. Operations with Fractions C3. Multiply C4. Divide  E. One-Step Equations E2. Solve equations by multiplying fractions	I can solve equations by adding, subtracting, multiplying, and dividing fractions. (7.2.4.1)  Learning T arget #4:  I can find powers of products and quotients. (7.2.3.2)	C. Operations with Fractions C3. Multiply C4. Divide  E. One-Step Equations E2. Solve equations by multiplying fractions  D. Customary Units of Measure D1. Convert between customary units D2. Apply dimensional	<ul> <li>Multiple</li> <li>Least Common Multiple (LCM)</li> <li>Reciprocal</li> <li>Repeating Decimal</li> <li>Terminating Decimal</li> </ul>
D. Customary Units of Measure D1. Convert between customary units		D2. Apply dimensional analysis  CFA: Quiz on C3 - D and E2	
D2. Apply dimensional analysis		F. Powers of Products and Quotients	
F. Powers of Products and Quotients F1. Find powers of products F2. Find powers of quotients		CSA: Test on Chapter 5	

Chapter 6: Ratios, Proportions,		
and Percents  A. Ratios and Unit Rates A1. Determine ratios A2. Solve unit rates	Chapter 6: Ratios, Proportions, and Percents	Charter & Datin
B. Proportions B1. Solve proportions B2. Apply proportions to problem solving	<ul><li>A. Ratios and Unit Rates</li><li>B. Proportions</li><li>C. Similar Figures and</li><li>Scale Drawings</li></ul>	Chapter 6: Ratios, Proportions, and Percents  Prentice Hall Mathematics: Algebra
C. Similar Figures and Scale Drawings C1. Determine unknowns in similar figures	CFA: Quiz on A - C  D. Fractions, Decimals,	Readiness  Unit Tests S:\Middle School\7th Grade\Math Stuff
C2. Determine unknowns in scale drawings	and Percents E. Percents with Proportions and Equations F. Percent of Change	Percent of Decrease Biggest Loser You Tube

	D. Fractions, Decimals, and Percents D1. Write percents as fractions and decimals D2. Write decimals as fractions and percents D3. Order rational numbers  E. Percents with Proportions and	Chapter 6: Ratios, Proportions, and Percents  Learning Target #1:  I can write and simplify ratios and rates. (7.2.2.1)	CFA: Quiz on D - F  G. Markup and Discount  CSA: Chapter 6 Test	clip http://www.youtube.com/ watch?v=FxFynAO616w &feature=related  http://www.youtube.com/ watch?v=LdyK9121NQo &feature=related
UEQ: Chapter 6  Ratios,	Equations E1. Find parts, wholes, and percents with proportions E2. Find parts, wholes, and percents with equations  F. Percent of Change	Learning Target #2:  I can write and solve proportions like these: (7.1.2.5)  Learning Target #3:		Learning Target Examples:  S:\Middle School\7th Grade\Math Stuff
Proportions, and Percents  How are percents used and found?	F1. Determine percent of increase F2. Determine percent of decrease G. Markup and Discount G1. Calculate markup G2. Calculate discount	I can find probability and odds. For example, I can solve problems like these: What is the probability of rolling a 2 on a number cube (die)? What are the odds in favor of rolling a number less than 3 on a number cube (die)?  Learning Target #4:		Key Vocabulary:  Ratios Unit Rates Percent Proportion Markup Discount Commission Scale Drawing Similar Figure

and dec	an convert between d order fractions, cimals, and percents.	• Percent of Change
I careprela Lea I capro Lea I capro con Lea I casim side figu	arning Target #4:  an solve equations oresenting proportional ationships. (7.2.4.2)  arning Target #5:  an solve percent oblems in various of texts (7.2.2.2)  arning Target #6:  an use properties of onlar figures to find e lengths of similar ures. (7.3.2.1, 7.2.2.3, 5.2.2.2)	

February				
Content	Skills	Learning Targets (Aligned to State Standards)	Assessment	Resources & Technology
UEQ: Chapter 7 Solving Equations and Inequalities  • How are multi-step equations written and solved?  How are two-step inequalities written and solved?  How are simple and compound interest calculated?	Chapter 7: Solving Equations and Inequalities  A. Multi-Step Equations A1. Use properties to solve multi-step equations A2. Combine like terms A3. Apply the distributive property A4. Solve multi-step equations with fractions and decimals A5. Apply the writing equations problem solving strategy  B. Equations with Variables on Both Sides B1. Solve equations B2. Use equations	Chapter 7: Solving Equations and Inequalities  Learning Target #1:  I can write and solve multistep equations like these: $4(m-7) + 5m = 6m + 2$ $(7.2.4.1)$ Learning Target #2:  I can write and solve twostep inequalities like these: $6a + 3 > 27$ (7.2.2.4) Learning Target #3:  I can calculate simple and compound interest. $(7.1.2.3, .7.1.2.4)$	Chapter 7: Solving Equations and Inequalities  A. Multi-Step Equations  CFA: Quiz on A  B. Equations with Variables on Both Sides C. Two-Step Inequalities D. Transforming Formulas  CFA: Quiz on B - D  E. Simple and Compound Interest	Chapter 7: Solving Equations and Inequalities  Prentice Hall Mathematics: Algebra Readiness  Unit Tests S:\Middle School\7th Grade\Math Stuff  Key Vocabulary:  Interest Simple Interest Compound Interest Interest Rate Principal
	C. Two-Step Inequalities		CSA: Chapter 7 Test	

C1. Solve inequalities C2. Use inequalities  D. Transforming Formulas D1. Solve formulas		
D2. Use formulas  E. Simple and Compound Interest E1. Solve simple-interest		
E2. Solve compound-interest		

March				
Content	Skills	Learning Targets (Aligned to State Standards)	Assessment	Resources & Technology
UEQ: Chapter 8 Linear Functions and Graphing	Chapter 8 Linear Functions and Graphing	Chapter 8 Linear Functions and Graphing	Chapter 8 Linear Functions and Graphing	Chapter 8 Linear Functions and Graphing
<ul> <li>When is a relation a function?</li> <li>How are linear equations and inequalities solved?</li> <li>How are systems of linear equations and inequalities solved?</li> </ul>	Skip Lesson 8-1 (Incorporate the Vertical Line Test from this lesson in Lessons 2 and 3)  B. Equations with Two Variables B1. Solve two-variable equations B2. Graph two-variable	Learning Target #1: I can write, graph, and identify the parts of linear equations like these: y = 2x - 3 or $y = -2x + 7$ (7.2.2.1)	A. Vertical Line Test B. Equations with Two Variables C. Slope and Y-Intercept D. Rules for Linear Functions A-D. Summative Quiz #1 - short answer (CSA)	Prentice Hall Mathematics: Algebra Readiness  Unit Tests S:\Middle School\7th Grade\Math Stuff
<ul> <li>How is a problem solved by graphing?</li> </ul>	equations  C. Slope and Y-Intercept C1. Determine slope and	Learning Target #2: I can use the slope-	F. Systems of Linear Equations	Key Vocabulary:  • Function
A. Relations and Functions B. Equations with Two Variables	y-intercept C2. Use slope and y- intercept to graph linear equations	intercept form of linear equations/graphs/tables.	G. Systems of Linear Inequalities  F - G. Summative Quiz #2 - short answer (CSA)	<ul><li>Linear Equation</li><li>Linear Inequality</li><li>Slope</li><li>Y-Intercept</li></ul>

C. Slope and Y-Intercept	D. Rules for Linear	y = mx + b (7.2.2.1)	<ul><li>Slope - Intercept</li></ul>
D. Rules for Linear	Functions		Form
Functions	(SKIP Example 1 from	Learning Target #3:	<ul><li>Constant of</li></ul>
E. Scatter Plots	Lesson 8-4 for Regular		Variation
F. Systems of	Classes)	I can solve and graph	<ul> <li>Direct Variation</li> </ul>
<b>Linear Equations</b>	D2. Write rules from	systems of linear equations	
G. Systems of Linear	tables and graphs	like these:	
Inequalities			
		y = x + 5; y = -2x + 8	
	F. Systems of Linear		
	Equations	(7.2.2.1)	
	F1. Graph systems of		
	linear equations	Learning Target #4:	
	F2. Use systems of linear		
	equations	I can solve and graph	
		systems of linear	
	G. Systems of Linear	inequalities like these:	
	Inequalities	_	
	G1. Graph linear	y < -x + 1; y > 2x - 5	
	inequalities		
	G2. Graph systems of		
	linear inequalities	Learning Target #5:	
		I can identify if a linear	
		relationship is proportional	
	***After Chapter 8: Teach	in a graph/table/equation.	
	Lesson 12-1 on		
	Histograms and Complete	(7.2.1.1, .7.2.1.2)	
	the Stem and Leaf Plot		
	Activity Lab from page		
	646 before moving on to		
	Chapter 9		

	(Only formative assessments used for these two lessons)			
April				
Content	Skills	Learning Targets (Aligned to State Standards)	Assessment	Resources & Technology
UEQ: Chapter 9: Spatial Thinking	Chapter 9: Spatial Thinking	Chapter 9: Spatial Thinking	Chapter 9: Spatial Thinking	Chapter 9: Spatial Thinking Prentice Hall
<ul> <li>How are properties of figures used to solve problems?</li> <li>How are geometric figures classified?</li> <li>How can drawing a diagram help to solve a problem?</li> </ul>	D. Congruence D1. Identify corresponding parts D2. Identify congruent triangles  E. Circles	Learning Target #1:  I can identify the congruent parts of triangles. (7.3.2.1)  Learning Target #2:  I can find the	G. Symmetry and Reflections H. Rotations  CA= Chapter 9, Lessons	Prentice Hall Mathematics: Algebra Readiness  Unit Tests S:\Middle School\7th Grade\Math Stuff
A. Points, Lines, and Planes B. Angles and Parallel	E1. Find circumference E2. Construct circle graphs  F. Translations	circumference of a circle. (7.3.1.1)  I can make a circle graph using central angles.	5-6, and 8-10 Summative QUIZ -short answer (CSA)	Key Vocabulary:  • Congruence
Lines C. Polygons D. Congruence E. Circles F. Translations	F1. Graph translations F2. Describe translations G. Symmetry and	(7.4.2.1)  Learning Target #3:		<ul> <li>Congruence</li> <li>Circumference</li> <li>Radius</li> <li>Diameter</li> <li>Symmetry</li> </ul>
G. Symmetry and	Reflections G1. Identify lines of			<ul><li>Reflection</li><li>Rotation</li></ul>

Reflections H. Rotations  Symmetry G2. Graph reflections  H. Rotations H1. Graph rotations H2. Recognize rotatio symmetry	and rotations) on a coordinate plane. (7.3.2.4)	• Translation	
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May

Content	Skills	Learning Targets (Aligned to State Standards)	Assessment	Resources & Technology
<b>UEQ: Chapter 10</b>	Chapter 10: Area and	Chapter 10: Area and	Chapter 10: Area and	Chapter 10: Area and
Area and Volume	Volume	Volume  Learning Target #1:	Volume	Volume
<ul><li>How is the volume of 3-D figures calculated?</li></ul>	<ul><li>A. Area: Parallelograms</li><li>A1. Calculate area of rectangles</li><li>A2. Calculate area of</li></ul>	I can find the area of parallelograms, triangles, trapezoids and circles.	<ul><li>A. Area: Parallelograms</li><li>B. Area: Triangles and</li><li>Trapezoids</li><li>C. Area: Circles</li></ul>	Prentice Hall Mathematics: Algebra Readiness
A. Area: Parallelograms B. Area: Triangles and	parallelograms	(7.3.2.2)	A-C. Summative Quiz #1 -	Unit Tests S:\Middle School\7th
Trapezoids	B. Area: Triangles and	Learning Target #2:	short answer (CSA)	Grade\Math Stuff
C. Area: Circles	<b>Trapezoids</b> B1. Determine area of	I can find the surface area	D. Surface Area: Prisms	
D. Surface Area: Prisms and Cylinders	triangles B2. Determine area of	of prisms and cylinders. (7.3.1.2)	and Cylinders	Key Vocabulary:
-	trapezoids		E. Volume: Prisms and Cylinders	• Area

	E. Volume: Prisms and Cylinders	C. Area: Circles C1. Find area of circles C2. Find area of irregular figures  D. Surface Area: Prisms and Cylinders D1. Calculate surface area of prisms D2. Calculate surface area of cylinders  E. Volume: Prisms and Cylinders E1. Find volume of prisms E2. Find volume of cylinders	Learning Target #3:  I can find the volume of prisms and cylinders. (7.3.1.2)  Learning Target #4:  I can find the area of circles and sectors. (7.3.1.1)	D-E. Summative Quiz #2 - short answer (CSA)	<ul> <li>Lateral Area</li> <li>Surface Area</li> <li>Volume</li> <li>Cylinder</li> <li>Prism</li> </ul>
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UEQ: Chapter 11 Right Triangles in Algebra  How is the square root of numbers determined? How are the missing measures of right triangles calculated? How are the distance and midpoint formulas applied?  A. Square Roots and Irrational Numbers B. Pythagorean Theorem C. Distance and Midpoint Formulas D. Special Right Triangles E. Sine, Cosine, and Tangent Ratios F. Angles of Elevation and Depression	A. Square Roots and Irrational Numbers A1. Find square roots A2. Classify real numbers  B. Pythagorean Theorem B1. Apply the Pythagorean Theorem B2. Identify right triangles  C. Distance and Midpoint Formulas C1. Find distance C2. Find midpoint  D. Special Right Triangles D1. Use 45-45-90 triangles D2. Use 30-60-90 triangles	I can find square roots (7.1.1.1)  Learning Target #2: I can determine the distance between rational and irrational numbers. (7.1.1.1)	A. Square Roots and Irrational Numbers B. Pythagorean Theorem C. Distance and Midpoint Formulas A-C. Checkpoint Quiz #1 - short answer (CFA)  D. Special Right Triangles E. Sine, Cosine, and Tangent Ratios D-E. Checkpoint Quiz #2 - short answer (CFA)  F. Angles of Elevation and Depression  CA= Chapter 11 Unit Test - short answer (CSA)	
	<ul><li>E. Sine, Cosine, and</li><li>Tangent Ratios</li><li>E1. Find ratios in right</li><li>triangles</li><li>E2. Apply rations to</li></ul>			

	solve problems			
	F. Angles of Elevation and Depression F1. Use sine, cosine, and tangent to determine angle of elevation F2. Use sine, cosine, and tangent to determine angle of depression			
	A. Frequency Tables, Line Plots, and Histograms A1. Use frequency tables and line plots A2. Display data using histograms	Learning Target #1: I can display data in frequency tables, line plots, histograms, stem-and-leaf plots. (7.4.1.1)	Histograms B. Counting Outcomes and Theoretical	
UEQ: Selected Lessons from Chapter 12	B. Counting Outcomes and Theoretical	Learning Target #2:	Probability C. Experimental Probability A-C. Quiz, 10 questions	

Data Analysis and Probability	Probability B1. Count possible choices	I can calculate probability. (7.4.1.1)	short answer (CFA)	
How are graphs used to represent data?	B2. Determine probability by counting		CA=Chapter 12 Unit Test, 25 questions short	
How are theoretical and experimental probability	outcomes	Learning Target #3:	answer (CSA)	
determined?	C. Experimental	I can calculate mean, median, mode, range, and		
A. Frequency Tables, Line Plots, and	Probability C1. Calculate	outlier. (7.4.1.2)		
Histograms B. Counting Outcomes	experimental probability C2. Simulate an event			
and Theoretical Probability				
C. Experimental Probability				