CIS Pre-Calculus *(Master)*

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September 2020

Content	Skills	Learning Targets	Assessment	Resources & Technology

CEQ:
    How is the world of functions described?
    What is the purpose of trigonometry and how is it used?
 	
UEQ:
What concepts can be used to draw graphs?
What are the different characteristics of functions?
What are the different type of functions and how are they manipulated?
How are graphs and functions used to model real-world applications? 🅅
	A. Rectangular Coordinates
	A1. Calculate distance between two points
	A2. Calculate the midpoint between two points
	A3. Use rectangular coordinates to model and solve real-life problems
	
	B. Graphs
	B1. Sketch graph by plotting points, using symmetry, and x and y intercepts
	B2. Determine if a graph has symmetry in the x-axis, y-axis, and/or origin
	B3. Write and graph equations of circles
	B4. Calculate slope,
		A1. LT I can calculate distance between two points. **(Section 1.1)**
		
		A2. LT I can calculate the midpoint between two points. **(Section 1.1)**
		
		A3. LT I can use the coordinate plane and formulas to model and solve real-life problems. **(Section 1.1)**
		
		B1. LT1 I can identify intercepts of equations and use them to graph. **(Section 1.2)**
		
		B1. LT2 I can use symmetry to assist in
			A. Rectangular Coordinates
			
			B. Graphs
			
			A1-B4 self written Quiz lessons 1.1-1.3
			
			C. Functions
			
			C1-C6 self written Quiz lessons 1.4-1.9
			
			CA: A1-A4, B1-B4, C1-C6 Chapter 1 Test (See shared folder)	

A. Rectangular Coordinates 🔷

A1. Distance Formula 🔷

A2. Midpoint Formula

A3. RealWorld Applications

B. Graphs

B1. Representation by Point Plotting

B2. Circles

B3. Linear Equations

B4. Real-Life Applications

C. Functions

C1. Definition and Evaluation

C2. Graphs

C3. Family of Parent Functions

C4. Transformations

C5. Combinations

C6. Inverses

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write and graph linear equations using multiple forms including parallel and perpendicular lines

B5. Use graphs to model and solve real-life problems

C. Functions

C1. Define and evaluate functions using real-life applications

C2. Identify and describe functions and their graphs by using domain, range, zeros, maximums, minimums, odd, even, increasing and decreasing

C3. Recognize parent functions, identify and graph linear, squaring, cubic, square root, reciprocal, step, and piecewise functions.

C4. Manipulate and graph functions by rigid and nonrigid transformations

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sketching graphs. **(Section 1.2)**

B2. LT I can determine if a graph has symmetry in the x-axis, y-axis, or origin. **(Section 1.2)**

B3. LT I can write equations and graphs of circles. **(Section 1.2)**

B4. LT1 I can calculate slope of a line. **(Section 1.3)**

B4. LT2 I can write and graph linear equations of a line in slope-intercept, point-slope, & standard form. **(Section 1.3)**

B4. LT3 I can use the concepts of parellel and perpendicular slopes to write equations. **(Section 1.3)**

C5. Combine functions using addition, subtraction, multiplication, division, and compostion as well as using combinations to model and sove real-life problems C6. Define and identify functions that are one-to-one C7. Find and verify inverse functions graphically and algebraically	**B5. LT** I can use functions to model and solve real-life problems. **(Section 1.4)** **B6. LT** I can find the domain of a function. **(Section 1.4)** **C2. LT** I can identify & describe functions and their graphs by using domain, range, zeros, maxiumums, minimums, odd, even, increasing, and decreasing. **(Section 1.5)** **C3. LT**I can define, graph and evaluate functions, including piecewise functions. **(Section 1.6)** **C.4A LT** I can identify and graph parent functions. **(Section 1.6)** **C4.B LT** I can write		

and graph linear equations in function form. **(Section 1.6)**

C4.C LT I can graph and evaluate the greatest integer function. **(Section 1.6)**

C4.D LT I can manipulate and graph functions using rigid and non-rigid transformations. **(Section 1.7)**

C5. LT I can combine functions usine addition, subtraction, multiplication, division, and composition. **(Section 1.8)**

C6. LT I can identify functions that are one-to-one. **(Section 1.8)**

C7. LT I can find and verify inverse functions graphically and algebraically.

		(Section 1.9)		

October 2020

Content				
	Skills	**Learning Targets**	**Assessment**	**Resources & Technology**
UEQ: *What are the characteristics and behaviors of quadratic, polynomial, and rational functions?* *What are complex numbers and how are they manipulated?* *How are quadratic, polynomial, and rational functions used to model and solve real-life models?* 　🔷 **D. Quadratics** 　D1. Graphs 　D2. Equations 　D3. Real-Life Applications 　E**. Higher Degree Polynomials** 　E1. Using Zeros 　E2. Leading Coefficients	**D. Quadratics** D1. Analyze and sketch graphs of quadratic functions in various forms D2. Write equations of parabolas in various forms D3. Use polynomials to model and solve real-life problems **E. Higher Degree Polynomials** E1. Use zeros to write a polynomial function. E2. Use the leading coefficient test to determine the end behaviors of polynomial functions	**D1. LT** I can analyze and sketch graphs of quadratic functions in standard, vertex, and intercept form. **(Section 2.1)** **D2. LT** I can write equations of parabolas in standard, vertex, and intercept form. **(Section 2.1)** **D3. LT** I can use polynomials, including finding maximums and minimums, to model and solve real-life problems. **(Section 2.1)** **E1. LT** I can use zeros to write a polynomial function. **(Section 2.2)** **E2. LT** I can use the leading coefficient test to	**D. Quadratics** D1-D3 self written Quiz **E. Higher Degree Polynomials** E1-E4 self written Quiz **F. Complex Numbers** **G. Rational Functions**	

E3. Zeros E4. Division **F. Complex Numbers** F1. Representation and Manipulation F2. Solutions **G. Rational Functions** G1. Domain G2. Asymptotes G3. Graphs G4. Real-Life Applications **H. Inequalities** **H**1. Solutions H2. Real-Life Applications	E3. Use factoring, a graphing calculator, and the intermediate value theorem to find and graph the zeros of a polynomial function E4. Use long and synthetic division to divide polynomials, including application of the remainder and factor theorems **F. Complex Numbers** F1. Use imaginary numbers to write, add, subtract, multiply, and divide complex numbers F2. Find complex solutions of quadratic equations F3. Apply the fundamental theorem of algebra F4. Find rational zeros of a polynomial F5. Find complex zeros of a polynomial **G. Rational Functions** G1. Determine the domain of a rational function G2. Find the horizontal, vertical, and slant asymptotes of rational	determine the end behaviors of polynomial functions. **(Section 2.2)** **E3. LT** I can use factoring, a graphing calculator, and the intermediate value theorem to find and graph the zeros of a polynomial function. **(Section 2.2)** **E4. LT** I can use long and synthetic division to divide polynomials, including application of the remainder and factor theorems. **(Section 2.3)** **F1. LT** I can use imaginary numbers to write, add, subtract, multiply, and divide complex numbers. **(Section 2.4)** **F2. LT** I can find complex solutions of quadratic equations. **(Section 2.4)** **F3. LT** I can apply the fundamental theorem of algebra. **(Section 2.5)** **F4. LT** I can find rational	F1-G4 self written Quiz **CA: D1-D3, E1-E4, F1-F5, G1-G4, H1-H2 Chapter 2 Test (See shared folder)**	

	functions G3. Analyze and sketch graphs of rational functions G4. Use rational functions to model and solve real-life problems **H. Inequalities** H1. Solve polynomial and rational inequalities H2. Use inequalities to model and solve real-life problems	zeros of a polynomial. **(Section 2.5)** **F5. LT** I can find complex zeros of a polynomial and know they occur in pairs. **(Section 2.5)** **G1. LT** I can determine the domain of a rational function.**(Section 2.6)** **G2. LT** I can find the horizontal, vertical, and slant asymptotes of rational functions. **(Section 2.6)** **G3. LT** I can analyze and sketch graphs of rational functions.**(Section 2.6)** **G4. LT** I can use rational functions to model and solve real-life problems. **(Section 2.6)** **H1. LT** I can solve polynomial and rational inequalities.**(Section 2.7)** **H2. LT** I can use inequalities to model and solve real-life		

		problems. **(Section 2.7)**		

November 2020

Content	Skills	Learning Targets	Assessment	Resources & Technology

CEQ:
   *How is the world of functions
   described?
   *What is the purpose of trigonometry
   and how is it used?
 	
   UEQ:
 	
 What is an exponential function and how are they evaluated and graphed?
	I. Exponential Functions
	 I1. Recognize and evaluate exponential functions with base a and base e
	 I2. Graph exponential functions and apply the one-to-one property
	 I3. Solve exponential equations
	
	 J. Logarithmic Functions
		I1. LT I can recognize and evaluate exponential functions with base a and base e. (Section 3.1)
		
		 I2. LT I can graph exponential functions and apply the one-to-one property.(Section 3.1)
		
		 I3. LT I can solve exponential equations.(Section 3.1)
			I. Exponential Functions
			
			 I1-I3 self written Quiz exponential functions
			
			 J. Logarithmic Functions
			
			 J1-J5 self written Quiz on logarithmic functions
			
			 CA: I1-I3, J1-J5, K1 Chapter 3 Test (See shared folder)	

What is a logarithmic function and how are they evaluated and graphed? How are exponential and logarithmic functions used to model and solve real-life problems?	J1. Recognize and evaluate logarithmic functions with base a, base 10 (common log) and base e (natural log)	J1. LT I can recognize and evaluate logarithmic functions with base a, base 10 (common log) and base e (natural log).(Section 3.2)	L. Angles	
I. Exponential Functions			M. Trigonometric Functions	
I1. Characteristics and Evaluation	J2. Graph logarithmic functions	J2. LT I can graph logarithmic functions.(Section 3.2)	L1-M5 self written Quiz on angles and trigonometric functions	
I2. Graphs	J3. Apply the properties of logarithms to evaluate, rewrite, expand, or condense logarithmic expressions			
I3. Equations		J3. LT I can apply the properties of logarithms to evaluate, rewrite, expand, or condense logarithmic expressions.(Section 3.3)	N. Graphs of Trigonometric Functions	
J. Logarithmic Functions	J4. Use the change-of-base formula to rewrite and evaluate logarithmic expressions		N1-N4 self written Quiz	
J1. Characteristics and Evaluation	J5. Solve logarithmic equations			
J2. Graphs		J4. LT I can use the change-of-base formula to rewrite and evaluate logarithmic expressions. (Section 3.3)	CA: L1-L3, M1-M5, N1-N4, O1 Chapter 4 Test (See shared folder)	
J3. Properties				
J4. Change-of-Base Formula	K. Exponential and Logarithmic Models		Q. Fundamental Trigonometric Identities	
J5. Equations	K1. Model and solve real-life problems using the exponential growth and decay functions, Guassian functions, logistic growth functions, and logarithmic functions	J5. LT I can solve logarithmic equations.(Section 3.4)	Q1-Q3 self written Quiz	
K. Exponential and Logarithmic Models			R. Trigonometric Equations	
K1. Real-Life Applications		K1. LT I can model and solve real-life problems using the exponential growth and decay	R1-R2 self written Quiz	
			S. Trigonometric Formulas	

| | | **functions, and logarithmic functions. (Section 3.5)** | **S1 self written Quiz**

CA: Q1-Q3, R1-R2, S1, T1 Chapter 5 Test
(See shared folder)

CA: U1, U2, V1, W1, W2 Chapter 6 Test
(See shared folder)

IF TIME PERMITS:

X. Solving Systems of Equations in Two Variables

U1-U3 self written Quiz

Y. Multivariable Systems

Y1-Y3 self written Quiz

Z. Partial Fractions

AA. Inequalities

AA1-AA3 self written Quiz

CA: X1-X3, Y1-Y3, Z1, | |

			AA1-AA3, BB1-BB3 **Chapter 7 Test (Do not always get to)**	

December 2020

Content	Skills	Learning Targets	Assessment	Resources & Technology
UEQ: *What are trigonometric functions and how are they worked with?* *How are trigonometric functions graphed and transformed?* *How are trigonometric functions used to model and solve real-life problems?* L. Angles L1. Description L2. Measurement	**L. Angles** **L1. Define and describe angles in trigonometry** **L2. Measure angles using radians and degrees** **L3. Calculate the length of an intercepted arc of a circle and the area of a circular sector** **M. Trigonometric Functions**	**L1. LT I can define and describe angles in trigonometry. (Section 4.1)** **L2. LT I can measure angles using radians and degrees. (Section 4.1)** **L3. LTI can calculate the length of an intercepted arc of a circle and the area of a circular sector.(Section 4.1)**	**L. Angles** **M. Trigonometric Functions** **L1-M5 self written Quiz on angles and trigonometric functions** **N. Graphs of Trigonometric Functions** **N1-N4 self written Quiz**	

L3. Arc Length and Area of a **Circular Section** **L4. Real-Life Applications** **M. Trigonometric Functions** **M1. Unit Circle** **M2. Evaluation** **M3. Right Triangle Trigonometry** **M4. Fundamental Trigonometric** **Identities** **M5. Trigonometric Functions of Any Size Angle** **N. Graphs of Trigonometric** **Functions** **N1. Graphs** **N2. Translations** **N3. Inverse Functions** **N4. Compositions of Trigonometric** **Functions** **O. Real-Life Applications** **O1. Models of**	**M1. Identify the unit circle and define the six trigonometric functions** **M2. Evaluate trigonometric functions using the unit circle, a calculator, and the domain and period of the sine and cosine functions** **M3. Evaluate trigonometric functions of acute angles using right triangle definitions** **M4. Evaluate trigonometric functions by applying trigonometric identities** **M5. Evaluate the trigonometric functions of any size angle using x, y, and r ratios and reference angles** **N. Graphs of Trigonometric Functions** **N1. Sketch the graphs of**	**M1. LT I can identify the unit circle and define the six trigonometric functions.(Section 4.2)** **M2. LT I can evaluate trigonometric functions using the unit circle, a calculator, and the domain and period of the sine and cosine functions. (Section 4.2)** **M3. LT I can evaluate trigonometric functions of acute angles using right triangle definitions. (Section 4.3)** **M4. LT I can evaluate trigonometric functions by applying trigonometric identities. (Section 4.3)** **M5. LT I can evaluate the trigonometric functions of any size angle using x, y, and r ratios and reference angles.(Section 4.4)**	**CA: L1-L3, M1-M5, N1-N4, O1 Chapter 4 Test (See shared folder)**

Trigonometric Functions	the six trigonometric functions **N2. Use amplitude and period to sketch translations of the six trigonometric graphs** **N3. Evaluate and graph the inverse sine, cosine, and tangent functions** **N4. Evaluate compositions of trigonometric functions**	**N1. LT I can sketch the graphs of the six trigonometric functions. (Section 4.5 & 4.6)** **N2. LT I can use amplitude and period to sketch translations of the six trigonometric graphs. (Section 4.5 & 4.6)** **N3. LT I can evaluate the six inverse trigonometric functions. (Section 4.7)**	
	O. Real-Life Applications **O1. Solve real-life problems involving trigonometric functions, right triangles, and directional bearings**	**N4. LT I can evaluate compositions of trigonometric functions. (Section 4.7)** **O1. LT I can solve real-life problems involving trigonometric functions, right triangles, and directional bearings(Section 4.8)**	

January 2021

Content	Skills	Learning Targets	Assessment	Resources & Technology

CEQ:
  *How is the world of functions
  described?
  *What is the purpose of trigonometry
  and how is it used?
 	
  UEQ:
What are the fundamental trigonometric identities and formulas and how are they used?
    P. Fundamental Trigonometric
      Identities
    P1. Recognition
    P2. Evaluation and Simplification
    P3. Verification
 	
    Q. Trigonometric Equations
    Q1. Evaluation
    Q2. Evaluation of
	P. Fundamental Trigonometric Identities
	P1. Recognize and write the fundamental identities
	P2. Use the fundamental trigonometric identities to evaluate, simplify, and rewrite the trigonometric functions and expressions
	Q3. Verify trigonometric identities
	
	Q. Trigonometric Equations
	Q1. Solve trigonometric equations using algebraic techniques, factoring, the quadratic formula, and inverse trigonometric functions
	Q2. Solve trigonometric equations that involve multiple angles
	
	R. Trigonometric
		P1. LT I can recognize and write the fundamental identities
		P2. LT I can use the fundamental trigonometric identities to evaluate, simplify, and rewrite the trigonometric functions and expressions
		P3. LT I can verify trigonometric identities
		
		Q1. LT I can solve trigonometric equations using algebraic techniques, factoring, the quadratic formula, and inverse trigonometric functions
		Q2. LT I can solve trigonometric equations that involve multiple angles
			P. Fundamental Trigonometric Identities
			
			P1-P3 self written Quiz
			
			Q. Trigonometric Equations
			
			Q1-Q2 self written Quiz
			
			R. Trigonometric Formulas
			
			R1 self written Quiz	

Multiple Angle Equations *R. Trigonometric Formulas* *R1. Evaluation* *S. Real-Life Applications* *S1. Real-Life Models*	**Formulas** R1. Use sum and difference, multiple-angle, power-reducing, half-angle, product-to-sum, and sum-to-product formulas to rewrite and evaluate trigonometric functions **S. Real-Life Applications** S1. Rewrite real-life models using trigonometric formulas	**R1. LT** I can use sum and difference, multiple-angle, power-reducing, half-angle, product-to-sum, and sum-to-product formulas to rewrite and evaluate trigonometric functions **S1. LT** I can rewrite real-life models using trigonometric formulas	**CA: P1-P3, Q1-Q2, R1, S1 Chapter 5 Test (See shared folder)**	

February 2021

Content	Skills	Learning Targets	Assessment	Resources & Technology
UEQ: *How is trigonometry used to solve non-right triangles?* *What are vectors and how are they used?* *T. Law of Sines* *T1. Solving* *T2. Ambiguous Case*	**T. Law of Sines** T1. Use the law of sines to solve triangles T2. Analyze and use given information to determine if there are 0, 1, or 2 triangles **U. Law of Cosines** U1. Use the law of cosines to solve triangles	**T1. LT** I can use the law of sines to solve triangles **T2. LT** Analyze and use given information to determine if there are 0, 1, or 2 triangles **U1. LT** I can use the law of cosines to solve triangles	**CA: T1, T2, U1, V1, V2 Chapter 6 Test (See shared folder)**	

U. Law of Cosines *U1. Solving* *V. Vectors* *V1. Component Form* *V2. Properties*	**V. Vectors** V1. Use and apply the component form of a vector V2. Use addition and scalar multiplication to manipulate vectors	**V1. LT** I can use and apply the component form of a vector **V2. LT** I can use addition and scalar multiplication to manipulate vectors		

March 2021

Content	Skills	Learning Targets	Assessment	Resources & Technology

UEQ:	**W. Solving Systems of Equations in Two Variables**		**W. Solving Systems of Equations in Two Variables**	
How are systems of equations and inequalities in two or more variables solved? *How are systems of equations and inequalities used to model and solve real-life problems?* 　*W. Solving Systems of Equations* 　　*in Two Variables* 　*W1. Substitution* 　*W2. Graphing* 　*W3. Elimination*	W1. Solve linear and nonlinear systems in two variables by the substitution method W2. Use graphing to solve and interpret the solutions in a system of equations W3. Solve linear systems in two variables by the elimination method	**W1. LT** I can solve linear and nonlinear systems in two variables by the substitution method **W2. LT** I can use graphing to solve and interpret the solutions in a system of equations **W3. LT** I can solve linear systems in two variables by the elimination method	W1-W3 self written Quiz	
*　X. Multivariable Systems* *X1. Back-Substitution* *　X2. Gaussian Elimination* *　X3. Nonsquare Systems*	**X. Multivariable Systems** X1. Use back-substitution to solve linear systems in row-echelon form X2. Use gaussian elimination to solve systems of linear equations X3. Solve nonsquare systems of linear equations	**X1. LT** I can use back-substitution to solve linear systems in row-echelon form **X2. LT** I can use gaussian elimination to solve systems of linear equations **X3. LT** I can solve nonsquare systems of linear equations	**X. Multivariable Systems** X1-X3 self written Quiz **Y. Partial Fractions**	
*　Y. Partial Fractions* *Y1. Recognition and Decomposition*	**Y. Partial Fractions** Y1. Recognize and find partial fraction decompositions of rational expressions	**Y1. LT** I can recognize and find partial fraction decompositions of rational expressions	**Z. Inequalities** Z1-Z3 self written Quiz	
*　Z. Inequalities* *　Z1. Graphing* *　Z2. Systems of Inequalities*	**Z. Inequalities** Z1. Graph inequalities in two variables	**Z1. LT** I can graph		

Z3. Linear Programming *AA. Real-Life Applications* *AA1. Systems of Equations* *AA2. Systems of Inequalities* *AA3. Linear Programming*	Z2. Solve systems of inequalities Z3. Solve linear programming problems **AA. Real-Life Applications** AA1. Use systems of equations in two or more variables to model and solve real-life problems AA2. Use systems of inequalities in two variables to model and solve real-life problems AA. Use linear programming to model and solve real-life problems	inequalities in two variables **Z2. LT** I can solve systems of inequalities **Z3. LT** I can solve linear programming problems **AA1. LT** I can use systems of equations in two or more variables to model and solve real-life problems **AA2. LT** I can use systems of inequalities in two variables to model and solve real-life problems I can use linear programming to model and solve real-life problems	**CA: W1-W3, X1-X3, Y1, Z1-Z3, AA1-AA3** **Chapter 7 Test**

April 2021

Content	Skills	Learning Targets	Assessment	Resources & Technology
UEQ: *What is a matrix?* *How do I use matrix operations to simplify and solve matrices?* **BB. Matrices & Systems** BB1. Order BB2. Row Operations BB3. Gaussian Elimination BB4. Gauss-Jordan Elimination **CC. Matrix Operations** CC1. Matrix Equivalency CC2. Matrix Operations CC3. Matrix Multiplication CC4. Real-Life Applications	**BB. Matrices & Systems** BB1. Write matrices and identify their order BB2. Perform elementary row operations on matrices BB3. Use Gaussian elimination to solve systems of linear equations BB4. Use Gauss-Jordan elimination to solve systems of linear equations **CC. Matrix Operations** CC1. Determine if matrices are equivalent CC2. Add and subtract matrices and multiply by a scalar CC3. Multiply matrices CC4. Model and solve real-life problems using matrices **DD. Inverse of a Matrix** DD1. Verify that two	**BB1. LT** I can write matrices and identify their order **BB2. LT** I can perform elementary row operations on matrices **BB3. LT** I can use Gaussian elimination to solve systems of linear equations **BB4. LT** I can use Gauss-Jordan elimination to solve systems of linear equations **CC1. LT** I can determine if matrices are equivalent **CC2. LT** I can add and subtract matrices and multiply by a scalar **CC3. LT** I can multiply matrices **CC4.** LT I can model and solve real-life problems using matrices	**BB. Matrices and Systems** **CC. Matrix Operations** BB1-BB4, CC1-CC4 self written Quiz **DD. Inverse of a Matrix** **CSA: BB1-BB4, CC1-CC4, DD1-DD4 Chapter 8 (8.1-8.3) Test**	

DD. Inverse of a Matrix
    DD1. Inverse Matrices
    DD2. 2x2 Inverse Formula
    DD3. 3x3 Inverse
 DD4. Inverse Matrix to Solve
	matrices are inverses of each other
	DD2. Use a formula to find the inverses of 2x2 matrices.
	DD3. Use Gauss-Jordan elimination to find inverses of matrices
	DD4. Use inverse matrices to solve systems of linear equations
		DD1. LT I can verify two matrices are inverses of each other
		DD2. LT I can use a formula to find the inverses of 2x2 matrices
		DD3. LT I can use Gauss-Jordan elimination to find the inverses of matrices
		DD4. LT I can use inverse matrices to solve systems of linear equations	

May 2021

Content	Skills	Learning Targets	Assessment	Resources & Technology
CEQ: 　***How is the world of functions** 　**described?** 　***What is the purpose of trigonometry** 　**and how is it used?** 　*UEQ:* *What is a conic?* *What are the equations of conics and how are they*	**HH. Lines** HH1. Find the inclination of a line HH2. Find the angle between two lines HH3. Find the distance between a point and a line **II. Conics** II1. Recognize a conic as the intersection of a plane and a double-napped cone II2. Write equations	**HH1. LT** I can find the inclination of a line. **HH2. LT** I can find the angle between two lines **HH3. LT** I can find the distance between a point and a line **II1. LT** I can recognize a conic as the intersection of a plane and a	**HH. Lines** **II. Conics** HH1-II2 self written Quiz	

graphed?
*How are conics used to model and solve real-life equations***?**
 	
    HH. Lines
    HH1. Inclination
    HH2. Angle Measure
    HH3. Distance
 	
    II. Conics
    II1. Definition
    II2. Parabolas
    II3. Ellipses
    II4. Hyperbolas
    II5. Classification
 	
    JJ. Real-Life Applications
    JJ1. Real-Life Models
JJ1. LT I can model and solve real-life problems using the reflective property of parabolas, the properties of ellipses, and the properties of hyperbolas
	of parabolas in standard form and graph parabolas using a focus and directrix
	II3. Write equations, graph, and find eccentricities or ellipses
	II4. Write equations, graph, and find the asymptotes of hyperbolas
	II5. Classify conics from their general equations
	
	JJ. Real-Life Applications
	JJ1. Model and solve real-life problems using the reflective property of parabolas, the properties of ellipses, and the properties of hyperbolas
		double-napped cone
		II2. LT I can write equations of parabolas in standard form and graph parabolas using a focus and directrix.
		II3. LT I can write equations, graph, and find eccentricities or ellipses
		II4. LT I can write equations, graph, and find the asymptotes of hyperbolas
		II5. LT I can classify conics from their general equations
			JJ. Real-Life Applications
			
			CSA: HH1-HH3, II1-II5, JJ1 Chapter 10 (10.1-10.4) Test	