	Nan	20:	Wook Paginning	
Name: Mrs. Woods			Grading Quarter: 2	Week Beginning: 10/30/23
			_	· ·
School Year: 23-24			Subject: Precalculus	
Monday	Notes:		ts will be able to show ncepts on the unit test. the Unit 4 test.	Academic Standards: P.F-TF.A.3 Use special triangles to determine geometrically the values of sine, cosine, tangent for π /3, π /4 and π /6, and use the unit circle to express the values of sine, cosine, and tangent for π - x , π + x , and 2π - x in terms of their values for x , where x is any real number.
Tuesday	Notes:	and cos functions. Lesson Overview: Notes – Graphs of Draw parent funct Then use Desmos	ions by hand, first to graph with technology inge, shifts, and stretches	Academic Standards: A2.F-BF.A.1 Write a function that describes a relationship between two quantities. Include problem-solving opportunities utilizing realworld context. Functions include linear, quadratic, exponential, polynomial, logarithmic, rational, sine, cosine, tangent, square root, cube root, and piecewise-defined functions. a. Determine an explicit expression, a recursive process, or steps for calculation from a context. b. Combine function types using arithmetic operations and function composition. A2.F-BF.B.3 Identify the effect on the graph of replacing f(x) by f(x) + k, k*f(x), f(kx), and f(x + k) for specified values of k (both positive and negative); find the values of k given the graphs. Experiment with cases and illustrate an explanation of the effects on the graphs using technology. Include recognizing even and odd functions from their graphs and algebraic expressions for them. Functions include linear, quadratic, exponential, polynomial, logarithmic, rational, sine, cosine, tangent, square root, cube root, and piecewise-defined functions.

	I		
	Notes:	Objective: Students will be able to graph tan	Academic Standards:
		functions.	A2.F-BF.A.1 Write a function that describes a
			relationship between two quantities. Include
		Lesson Overview:	problem-solving opportunities utilizing real-
		Notes – Graph of tan	world context. Functions include linear,
		Draw parent functions by hand, first	quadratic, exponential, polynomial, logarithmic,
		Then use Desmos to graph with technology	rational, sine, cosine, tangent, square root,
		Discuss domain, range, shifts, and stretches	cube root, and piecewise-defined functions. a.
		(amplitude and period)	Determine an explicit expression, a recursive
_			process, or steps for calculation from a context.
Wednesday			b. Combine function types using arithmetic
dn			operations and function composition.
es			A2.F-BF.B.3 Identify the effect on the graph of
da			replacing $f(x)$ by $f(x) + k$, $k*f(x)$, $f(kx)$, and $f(x + k)$
<			for specified values of k (both positive and
			negative); find the values of k given the graphs.
			Experiment with cases and illustrate an
			explanation of the effects on the graphs using
			technology. Include recognizing even and odd
			functions from their graphs and algebraic
			expressions for them. Functions include linear,
			quadratic, exponential, polynomial, logarithmic,
			rational, sine, cosine, tangent, square root,
			cube root, and piecewise-defined functions.
	Notes:	Objective: Students will be able to graph	Academic Standards:
		, ,	
I		reciprocal and inverse trig functions.	A2.F-BF.A.1 Write a function that describes a
		reciprocal and inverse trig functions.	
		reciprocal and inverse trig functions. Lesson Overview:	relationship between two quantities. Include
		Lesson Overview:	relationship between two quantities. Include problem-solving opportunities utilizing real-
		Lesson Overview: Notes – Graphs of csc, sec, cot, and all	relationship between two quantities. Include problem-solving opportunities utilizing realworld context. Functions include linear,
		Lesson Overview: Notes – Graphs of csc, sec, cot, and all inverse trig functions	relationship between two quantities. Include problem-solving opportunities utilizing real-world context. Functions include linear, quadratic, exponential, polynomial, logarithmic,
		Lesson Overview: Notes – Graphs of csc, sec, cot, and all inverse trig functions Draw parent functions by hand, first	relationship between two quantities. Include problem-solving opportunities utilizing real-world context. Functions include linear, quadratic, exponential, polynomial, logarithmic, rational, sine, cosine, tangent, square root,
		Lesson Overview: Notes – Graphs of csc, sec, cot, and all inverse trig functions Draw parent functions by hand, first Then use Desmos to graph with technology	relationship between two quantities. Include problem-solving opportunities utilizing real-world context. Functions include linear, quadratic, exponential, polynomial, logarithmic, rational, sine, cosine, tangent, square root, cube root, and piecewise-defined functions. a.
		Lesson Overview: Notes – Graphs of csc, sec, cot, and all inverse trig functions Draw parent functions by hand, first Then use Desmos to graph with technology Discuss domain, range, shifts, and stretches	relationship between two quantities. Include problem-solving opportunities utilizing real-world context. Functions include linear, quadratic, exponential, polynomial, logarithmic, rational, sine, cosine, tangent, square root, cube root, and piecewise-defined functions. a. Determine an explicit expression, a recursive
Т		Lesson Overview: Notes – Graphs of csc, sec, cot, and all inverse trig functions Draw parent functions by hand, first Then use Desmos to graph with technology	relationship between two quantities. Include problem-solving opportunities utilizing real-world context. Functions include linear, quadratic, exponential, polynomial, logarithmic, rational, sine, cosine, tangent, square root, cube root, and piecewise-defined functions. a. Determine an explicit expression, a recursive process, or steps for calculation from a context.
Thu		Lesson Overview: Notes – Graphs of csc, sec, cot, and all inverse trig functions Draw parent functions by hand, first Then use Desmos to graph with technology Discuss domain, range, shifts, and stretches	relationship between two quantities. Include problem-solving opportunities utilizing real-world context. Functions include linear, quadratic, exponential, polynomial, logarithmic, rational, sine, cosine, tangent, square root, cube root, and piecewise-defined functions. a. Determine an explicit expression, a recursive process, or steps for calculation from a context. b. Combine function types using arithmetic
Thursc		Lesson Overview: Notes – Graphs of csc, sec, cot, and all inverse trig functions Draw parent functions by hand, first Then use Desmos to graph with technology Discuss domain, range, shifts, and stretches	relationship between two quantities. Include problem-solving opportunities utilizing real-world context. Functions include linear, quadratic, exponential, polynomial, logarithmic, rational, sine, cosine, tangent, square root, cube root, and piecewise-defined functions. a. Determine an explicit expression, a recursive process, or steps for calculation from a context. b. Combine function types using arithmetic operations and function composition.
Thursday		Lesson Overview: Notes – Graphs of csc, sec, cot, and all inverse trig functions Draw parent functions by hand, first Then use Desmos to graph with technology Discuss domain, range, shifts, and stretches	relationship between two quantities. Include problem-solving opportunities utilizing real-world context. Functions include linear, quadratic, exponential, polynomial, logarithmic, rational, sine, cosine, tangent, square root, cube root, and piecewise-defined functions. a. Determine an explicit expression, a recursive process, or steps for calculation from a context. b. Combine function types using arithmetic operations and function composition. A2.F-BF.B.3 Identify the effect on the graph of
Thursday		Lesson Overview: Notes – Graphs of csc, sec, cot, and all inverse trig functions Draw parent functions by hand, first Then use Desmos to graph with technology Discuss domain, range, shifts, and stretches	relationship between two quantities. Include problem-solving opportunities utilizing real-world context. Functions include linear, quadratic, exponential, polynomial, logarithmic, rational, sine, cosine, tangent, square root, cube root, and piecewise-defined functions. a. Determine an explicit expression, a recursive process, or steps for calculation from a context. b. Combine function types using arithmetic operations and function composition. A2.F-BF.B.3 Identify the effect on the graph of replacing f(x) by f(x) + k, k*f(x), f(kx), and f(x + k)
Thursday		Lesson Overview: Notes – Graphs of csc, sec, cot, and all inverse trig functions Draw parent functions by hand, first Then use Desmos to graph with technology Discuss domain, range, shifts, and stretches	relationship between two quantities. Include problem-solving opportunities utilizing real-world context. Functions include linear, quadratic, exponential, polynomial, logarithmic, rational, sine, cosine, tangent, square root, cube root, and piecewise-defined functions. a. Determine an explicit expression, a recursive process, or steps for calculation from a context. b. Combine function types using arithmetic operations and function composition. A2.F-BF.B.3 Identify the effect on the graph of replacing f(x) by f(x) + k, k*f(x), f(kx), and f(x + k) for specified values of k (both positive and
Thursday		Lesson Overview: Notes – Graphs of csc, sec, cot, and all inverse trig functions Draw parent functions by hand, first Then use Desmos to graph with technology Discuss domain, range, shifts, and stretches	relationship between two quantities. Include problem-solving opportunities utilizing real-world context. Functions include linear, quadratic, exponential, polynomial, logarithmic, rational, sine, cosine, tangent, square root, cube root, and piecewise-defined functions. a. Determine an explicit expression, a recursive process, or steps for calculation from a context. b. Combine function types using arithmetic operations and function composition. A2.F-BF.B.3 Identify the effect on the graph of replacing f(x) by f(x) + k, k*f(x), f(kx), and f(x + k) for specified values of k (both positive and negative); find the values of k given the graphs.
Thursday		Lesson Overview: Notes – Graphs of csc, sec, cot, and all inverse trig functions Draw parent functions by hand, first Then use Desmos to graph with technology Discuss domain, range, shifts, and stretches	relationship between two quantities. Include problem-solving opportunities utilizing real-world context. Functions include linear, quadratic, exponential, polynomial, logarithmic, rational, sine, cosine, tangent, square root, cube root, and piecewise-defined functions. a. Determine an explicit expression, a recursive process, or steps for calculation from a context. b. Combine function types using arithmetic operations and function composition. A2.F-BF.B.3 Identify the effect on the graph of replacing f(x) by f(x) + k, k*f(x), f(kx), and f(x + k) for specified values of k (both positive and negative); find the values of k given the graphs. Experiment with cases and illustrate an
Thursday		Lesson Overview: Notes – Graphs of csc, sec, cot, and all inverse trig functions Draw parent functions by hand, first Then use Desmos to graph with technology Discuss domain, range, shifts, and stretches	relationship between two quantities. Include problem-solving opportunities utilizing real-world context. Functions include linear, quadratic, exponential, polynomial, logarithmic, rational, sine, cosine, tangent, square root, cube root, and piecewise-defined functions. a. Determine an explicit expression, a recursive process, or steps for calculation from a context. b. Combine function types using arithmetic operations and function composition. A2.F-BF.B.3 Identify the effect on the graph of replacing f(x) by f(x) + k, k*f(x), f(kx), and f(x + k) for specified values of k (both positive and negative); find the values of k given the graphs. Experiment with cases and illustrate an explanation of the effects on the graphs using
Thursday		Lesson Overview: Notes – Graphs of csc, sec, cot, and all inverse trig functions Draw parent functions by hand, first Then use Desmos to graph with technology Discuss domain, range, shifts, and stretches	relationship between two quantities. Include problem-solving opportunities utilizing real-world context. Functions include linear, quadratic, exponential, polynomial, logarithmic, rational, sine, cosine, tangent, square root, cube root, and piecewise-defined functions. a. Determine an explicit expression, a recursive process, or steps for calculation from a context. b. Combine function types using arithmetic operations and function composition. A2.F-BF.B.3 Identify the effect on the graph of replacing f(x) by f(x) + k, k*f(x), f(kx), and f(x + k) for specified values of k (both positive and negative); find the values of k given the graphs. Experiment with cases and illustrate an explanation of the effects on the graphs using technology. Include recognizing even and odd
Thursday		Lesson Overview: Notes – Graphs of csc, sec, cot, and all inverse trig functions Draw parent functions by hand, first Then use Desmos to graph with technology Discuss domain, range, shifts, and stretches	relationship between two quantities. Include problem-solving opportunities utilizing real-world context. Functions include linear, quadratic, exponential, polynomial, logarithmic, rational, sine, cosine, tangent, square root, cube root, and piecewise-defined functions. a. Determine an explicit expression, a recursive process, or steps for calculation from a context. b. Combine function types using arithmetic operations and function composition. A2.F-BF.B.3 Identify the effect on the graph of replacing f(x) by f(x) + k, k*f(x), f(kx), and f(x + k) for specified values of k (both positive and negative); find the values of k given the graphs. Experiment with cases and illustrate an explanation of the effects on the graphs using technology. Include recognizing even and odd functions from their graphs and algebraic
Thursday		Lesson Overview: Notes – Graphs of csc, sec, cot, and all inverse trig functions Draw parent functions by hand, first Then use Desmos to graph with technology Discuss domain, range, shifts, and stretches	relationship between two quantities. Include problem-solving opportunities utilizing real-world context. Functions include linear, quadratic, exponential, polynomial, logarithmic, rational, sine, cosine, tangent, square root, cube root, and piecewise-defined functions. a. Determine an explicit expression, a recursive process, or steps for calculation from a context. b. Combine function types using arithmetic operations and function composition. A2.F-BF.B.3 Identify the effect on the graph of replacing f(x) by f(x) + k, k*f(x), f(kx), and f(x + k) for specified values of k (both positive and negative); find the values of k given the graphs. Experiment with cases and illustrate an explanation of the effects on the graphs using technology. Include recognizing even and odd functions from their graphs and algebraic expressions for them. Functions include linear,
Thursday		Lesson Overview: Notes – Graphs of csc, sec, cot, and all inverse trig functions Draw parent functions by hand, first Then use Desmos to graph with technology Discuss domain, range, shifts, and stretches	relationship between two quantities. Include problem-solving opportunities utilizing real-world context. Functions include linear, quadratic, exponential, polynomial, logarithmic, rational, sine, cosine, tangent, square root, cube root, and piecewise-defined functions. a. Determine an explicit expression, a recursive process, or steps for calculation from a context. b. Combine function types using arithmetic operations and function composition. A2.F-BF.B.3 Identify the effect on the graph of replacing f(x) by f(x) + k, k*f(x), f(kx), and f(x + k) for specified values of k (both positive and negative); find the values of k given the graphs. Experiment with cases and illustrate an explanation of the effects on the graphs using technology. Include recognizing even and odd functions from their graphs and algebraic expressions for them. Functions include linear, quadratic, exponential, polynomial, logarithmic,
Thursday		Lesson Overview: Notes – Graphs of csc, sec, cot, and all inverse trig functions Draw parent functions by hand, first Then use Desmos to graph with technology Discuss domain, range, shifts, and stretches	relationship between two quantities. Include problem-solving opportunities utilizing real-world context. Functions include linear, quadratic, exponential, polynomial, logarithmic, rational, sine, cosine, tangent, square root, cube root, and piecewise-defined functions. a. Determine an explicit expression, a recursive process, or steps for calculation from a context. b. Combine function types using arithmetic operations and function composition. A2.F-BF.B.3 Identify the effect on the graph of replacing f(x) by f(x) + k, k*f(x), f(kx), and f(x + k) for specified values of k (both positive and negative); find the values of k given the graphs. Experiment with cases and illustrate an
Thursday		Lesson Overview: Notes – Graphs of csc, sec, cot, and all inverse trig functions Draw parent functions by hand, first Then use Desmos to graph with technology Discuss domain, range, shifts, and stretches	relationship between two quantities. Include problem-solving opportunities utilizing real-world context. Functions include linear, quadratic, exponential, polynomial, logarithmic, rational, sine, cosine, tangent, square root, cube root, and piecewise-defined functions. a. Determine an explicit expression, a recursive process, or steps for calculation from a context. b. Combine function types using arithmetic operations and function composition. A2.F-BF.B.3 Identify the effect on the graph of replacing f(x) by f(x) + k, k*f(x), f(kx), and f(x + k) for specified values of k (both positive and negative); find the values of k given the graphs. Experiment with cases and illustrate an explanation of the effects on the graphs using technology. Include recognizing even and odd functions from their graphs and algebraic expressions for them. Functions include linear,
Thursday		Lesson Overview: Notes – Graphs of csc, sec, cot, and all inverse trig functions Draw parent functions by hand, first Then use Desmos to graph with technology Discuss domain, range, shifts, and stretches	relationship between two quantities. Include problem-solving opportunities utilizing real-world context. Functions include linear, quadratic, exponential, polynomial, logarithmic, rational, sine, cosine, tangent, square root, cube root, and piecewise-defined functions. a. Determine an explicit expression, a recursive process, or steps for calculation from a context. b. Combine function types using arithmetic operations and function composition. A2.F-BF.B.3 Identify the effect on the graph of replacing f(x) by f(x) + k, k*f(x), f(kx), and f(x + k) for specified values of k (both positive and negative); find the values of k given the graphs. Experiment with cases and illustrate an explanation of the effects on the graphs using technology. Include recognizing even and odd functions from their graphs and algebraic expressions for them. Functions include linear,

	T		
	Notes:	Objective: Students will be able to	Academic Standards:
		manipulate graphs of trig functions.	A2.F-BF.A.1 Write a function that describes a
			relationship between two quantities. Include
		Lesson Overview:	problem-solving opportunities utilizing real-
		Desmos activity: Marbleslides	world context. Functions include linear,
			quadratic, exponential, polynomial, logarithmic,
			rational, sine, cosine, tangent, square root,
			cube root, and piecewise-defined functions. a.
			Determine an explicit expression, a recursive
			process, or steps for calculation from a context.
_			b. Combine function types using arithmetic
==:			operations and function composition.
Friday			A2.F-BF.B.3 Identify the effect on the graph of
			replacing $f(x)$ by $f(x) + k$, $k*f(x)$, $f(kx)$, and $f(x + k)$
			for specified values of k (both positive and
			negative); find the values of k given the graphs.
			Experiment with cases and illustrate an
			explanation of the effects on the graphs using
			technology. Include recognizing even and odd
			functions from their graphs and algebraic
			expressions for them. Functions include linear,
			quadratic, exponential, polynomial, logarithmic,
			rational, sine, cosine, tangent, square root,
			cube root, and piecewise-defined functions.