Name: Woods			Grading Quarter:1	Week Beginning: 8/1/23	
School Year: 23-24			Subject: Precalculus		
Monday	Notes:	NO SCHOOL			Academic Standards:
Tuesday	Notes:	Objective: U1 L1: Library of Functions Lesson Overview: What are the key features of a function and how can I identify them in different forms (ex: table, graph)? Take notes: sketch, domain, range, and properties for the following functions – x, x^2, x^3, abs x, e^x, ln x, sqrt x, and 1/x		Academic Standards: A2.F-IF.B.4 For a function that models a relationship between two quantities, interpret key features of graphs and tables in terms of the quantities, and sketch graphs showing key features given a verbal description of the relationship. Include problem-solving opportunities utilizing real- world context. Key features include: intercepts, intervals where the function is increasing, decreasing, positive, or negative; relative maximums and minimums; symmetries; end behavior; and periodicity. Functions include linear, quadratic, exponential, polynomial, logarithmic, rational, sine, cosine, tangent, square root, cube root, and piecewise-defined functions.	

	Notes:	Objective: U1 L2: Piecewise Functions	Academic Standards:
			A2.F-IF.B.4 For a function that
			models a relationship between two
		Lesson Overview:	quantities, interpret key features of
			graphs and tables in terms of the
		Take notes: how to graph a piecewise function, how to	quantities, and sketch graphs
		evaluate one using both the graph and algebraically	showing key features given a verbal
		Independent practice: graphing examples by hand	description of the relationship.
<			Include problem-solving
∠ e			opportunities utilizing real- world
dn			context. Key features include:
esc			intercepts, intervals where the
day			function is increasing, decreasing,
			positive, or negative; relative
			maximums and minimums;
			symmetries; end behavior; and
			periodicity. Functions include linear,
			quadratic, exponential, polynomial,
			logarithmic, rational, sine, cosine,
			tangent, square root, cube root, and
			piecewise-defined functions.
	Notes:	Objective: U1 L3: Composition of Functions	Academic Standards:
			P.F-BF.A.1 Write a function that
			describes a relationship between two
		Lesson Overview:	quantities. c. Compose functions. For
Th		Take notes: How to write a composite function as an	example, if T(y) is the temperature in
ursday		inner and outer function	the atmosphere as a function of
		Different notations	height, and h(t) is the height of a
		Independent practice on whiteboards	weather balloon as a function of
			time, then T(h(t)) is the temperature
			at the location of the weather
			balloon as a function of time.

	Notes:	Objective: Extra practice with Piecewise Functions	Academic Standards:
			A2.F-IF.B.4 For a function that
Friday			models a relationship between two
		Lesson Overview:	quantities, interpret key features of
			graphs and tables in terms of the
		Partner activity: matching piecewise functions to their graphs With extra time: independently graph examples by hand, focus on domains other than x>0 or x<0. Include examples with three branches.	quantities, and sketch graphs
			showing key features given a verbal
			description of the relationship.
			Include problem-solving
			opportunities utilizing real- world
			context. Key features include:
			intercepts, intervals where the
			function is increasing, decreasing,
			positive, or negative; relative
			maximums and minimums;
			symmetries; end behavior; and
			periodicity. Functions include linear,
			quadratic, exponential, polynomial,
			logarithmic, rational, sine, cosine,
			ningenit, square root, cube root, and