Name:			Grading	Week Beginning:	
Woods			Quarter:1	8/21/23	
School Year: 23-24			Subject: AP Calculus AB		
Monday	Notes:	Objective: Student represent the slop Lesson Overview: Notes: "Big picture ways to write one: horizontal distance two x-values. Students work in p before trying book	e" concept of what a deriver e of a curve. e" concept of what a deriver a difference quotient in e h and a difference quot partners to simplify difference examples independently	quotient to vative is and two terms of a small ient between ence quotients /.	Academic Standards: AP Calculus AB 2.2 Defining the Derivative of a Function and Using Derivative Notation 1.D Identify an appropriate mathematical rule or procedure based on the relationship between concepts (e.g., rate of change and accumulation) or processes (e.g., differentiation and its inverse process, anti-differentiation) to solve problems.
Tuesday	Notes:	All juniors and sen this block.	iors will be taking the AS	VAB test during	Academic Standards: N/A
Wednesday	Notes:	Objective: Student derivative of polyn Lesson Overview: Discuss when deriv implies continuity. normal line – focus each of these thing between position, Students work in p	ts will use the power rule nomial functions. vatives do not exist. Diffe Difference between a ta s on what information yo gs (a point and a slope). C velocity, and acceleratio pairs on textbook problen	to find the rentiability ngent and u need to create Connection n.	Academic Standards: AP Calculus AB 2.4 Connecting Differentiability and Continuity: Determining When Derivatives Do and Do Not Exist 3.E Provide reasons or rationales for solutions and conclusions. 2.5 Applying the Power Rule 1.E Apply appropriate mathematical rules or procedures, with and without technology.
Thursday	Notes:	Objective: Student to find the derivati Lesson Overview: Discuss: What kind and quotient rules necessary using a function to get two order derivatives. Students work inde practice using thes	ts will use the product an ives of rational functions. ds of functions will requir ? Proof of why the produ simplified and unsimplifie o different answers. Intro ependently on the big wh se rules.	d quotient rules e the product act rule is ed polynomial oduce higher- hiteboards to	Academic Standards: AP Calculus AB 2.8 The Product Rule 1.E Apply appropriate mathematical rules or procedures, with and without technology. 2.9 The Quotient Rule 1.E Apply appropriate mathematical rules or procedures, with and without technology.

	Notes:	Objective: Students will be able to match derivative graphs	Academic Standards:
		to their original functions.	AP Calculus AB
- -			2.2 Defining the Derivative of a
		Lesson Overview:	Function and Using Derivative
			Notation 1.D Identify an
		Use Desmos.com to practice sketching derivatives for	appropriate mathematical rule or
		various basic functions (constant, linear, quadratic, and	procedure based on the
		basic trig). Use printed worksheets to match derivative	relationship between concepts
ric		graphs to their original functions. Also introduce different	(e.g., rate of change and
laγ		notations commonly used for derivatives.	accumulation) or processes (e.g.,
			differentiation and its inverse
			process, anti-differentiation) to
			solve problems. 4.C Use
			appropriate mathematical
			symbols and notation (e.g.,
			Represent a derivative using f'(x),
			y' and dy/dx.