Name: Mrs. Woods			Grading Quarter: 2	Week Beginning: 10/16/23	
School Year: 23-24			Subject: AP Calculus AB		
Monday	Notes:	No class			Academic Standards:
Tuesday	Notes:	Objective: Student maximums and mi interval. Lesson Overview: Notes – First deriv derivative test (ma points of second d	is will be able to find rela nimums of a function of a ative test (max and mins) ax and mins), Inflection po erivative), and concavity	tive a given , Second pints (critical	Academic Standards: 5.4 Using the First Derivative Test to Determine Relative (Local) Extrema 3.D Apply an appropriate mathematical definition, theorem, or test. 5.6 Determining Concavity of Functions over Their Domains 2.E Describe the relationships among different representations of functions and their derivatives. 5.7 Using the Second Derivative Test to Determine Extrema 3.D Apply an appropriate mathematical definition, theorem, or test.
Wednesday	Notes:	Objective: Student find indeterminate Lesson Overview: Notes – Review ind and inf/inf. Show h quotient rule. Practice together a whiteboards.	e limits. determinate limits of the now the rule is different f	spital's rule to forms 0/0 rom the y on the large	Academic Standards: 4.7 Using L'Hospital's Rule for Determining Limits of Indeterminate Forms 3.D Apply an appropriate mathematical definition, theorem, or test.

Thursday	Notes:	Objective: Students will be able to analyze f' graphs to find relative extrema and intervals of increasing and decreasing functions. Lesson Overview: Notes – First derivative test (max and mins), Second derivative test (max and mins), Inflection points (critical points of second derivative), and concavity	Academic Standards: 5.8 Sketching Graphs of Functions and Their Derivatives 2.D Identify how mathematical characteristics or properties of functions are related in different representations. 5.9 Connecting a Function, Its First Derivative, and Its Second Derivative 2.D Identify how mathematical characteristics or properties of functions are related in different representations.
Friday	Notes:	Objective: Students will be able to analyze f' graphs to find relative extrema and intervals of increasing and decreasing functions. Lesson Overview: <i>Continuation of yesterday's lesson.</i> Calculator-active practice.	Academic Standards: 5.8 Sketching Graphs of Functions and Their Derivatives 2.D Identify how mathematical characteristics or properties of functions are related in different representations. 5.9 Connecting a Function, Its First Derivative, and Its Second Derivative 2.D Identify how mathematical characteristics or properties of functions are related in different representations.