Name: Mrs. Woods		Grading Quarter: 2	Week Beginning: 11/11/24
School Year: 24-25		Subject: AP Calculus AB	
Monday	Notes:	No school	
Tuesday	Notes:	Objective: Students will be able to apply MVT to a differentiable function. Lesson Overview: Notes – Mean Value Theorem Use the first derivative to find where a function is increasing or decreasing using a sign chart	Academic Standards: 5.1 Using the Mean Value Theorem 3.E Provide reasons or rationales for solutions and conclusions. 5.3 Determining Intervals on Which a Function is Increasing or Decreasing 2.E Describe the relationships among different representations of functions and their derivatives.
Wednesday	Notes:	Objective: Students will be able to apply MVT to a differentiable function. Lesson Overview: *This is a continuation of previous day's lesson.* Partner practice	Academic Standards: 5.1 Using the Mean Value Theorem 3.E Provide reasons or rationales for solutions and conclusions. 5.3 Determining Intervals on Which a Function is Increasing or Decreasing 2.E Describe the relationships among different representations of functions and their derivatives.
Thursday	Notes:	Objective: Students will be able to find relative maximums and minimums of a function of a given interval. 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: 5.4 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.

Friday	Notes:	Objective: Students will be able to find relative maximums and minimums of a function of a given interval. Lesson Overview: Kahoot review of maximums and minimums	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.