Name: Woods		Grading Quarter:1	Week Beginning: 8/7/23
School Year: 23-24		Subject: AP Calculus AB	
Monday	Notes:	Objective: Students will be able to define continuity at a point and identify continuous functions. Lesson Overview: Take notes: continuity, examples Partner practice using textbooks Desmos.com - Intermediate Value Theorem, including real-world examples	Academic Standards: AP Calculus AB Course Topics 1.11 Defining Continuity at a Point 3.C Confirm whether hypotheses or conditions of a selected definition, theorem, or test have been satisfied. 1.16 Working with the Intermediate Value Theorem (IVT) 3.E Provide reasons or rationales for solutions or conclusions.
Tuesday	Notes:	Objective: Students will be able to apply the Squeeze Theorem to find limits of indeterminate functions. Lesson Overview: Notes: definitions, squeeze theorem Use graphing calculators to investigate Include exponential and logarithmic examples	Academic Standards: AP Calculus AB Course Topics 1.8 Determining Limits Using the Squeeze Theorem 3.C Confirm whether hypotheses or conditions of a selected definition, theorem, or test have been satisfied.
Wednesday	Notes:	Objective: Students will find limits of functions using knowledge of vertical and horizontal asymptotes. Lesson Overview: Review horizontal and vertical asymptotes of rational functions. Discuss what happens when non-zero values are divided by zero (infinite limit) or infinity (zero limit). Graph examples by hand and with technology.	Academic Standards: AP Calculus AB Course Topics 1.14 Connecting Infinite Limits and Vertical Asymptotes 3.D Apply an appropriate mathematical definition, theorem, or test. 1.15 Connecting Limits at Infinity and Horizontal Asymptotes 2.D Identify how mathematical characteristics or properties of functions are related in different representations.
Thursday	Notes:	Objective: Students will find limits of functions using knowledge of vertical and horizontal asymptotes. Lesson Overview: Continuation of yesterday's lesson. Use problems on the projector and big whiteboards in groups to practice limits of rational functions.	Academic Standards: AP Calculus AB Course Topics 1.14 Connecting Infinite Limits and Vertical Asymptotes 3.D Apply an appropriate mathematical definition, theorem, or test. 1.15 Connecting Limits at Infinity and Horizontal Asymptotes 2.D Identify how mathematical characteristics or properties of functions are related in different representations.

Friday	Notes:	NO SCHOOL	Academic Standards: