Name: Woods		Grading Quarter:1	Week Beginning: 9/2/24
School Year: 24-25		Subject: Precalculus	
Monday	Notes:	No school	
Tuesday	Notes:	Objective: Students will be able to evaluate exponential functions. Lesson Overview: Notes: Start with parent function (e^x) and discuss how different x-values (negatives, less than 1, greater than 1) create different y-values. Pay particular attention to range restrictions. Discuss application problems, such as solving for a compound interest problem or half-life problem.	Academic Standards: P.F-IF.C.7 Graph functions expressed symbolically and show key features of the graph, by hand in simple cases and using technology for more complicated cases. P.F-BF.B.5 Understand the inverse relationship between exponents and logarithms and use this relationship to solve problems involving logarithms and exponents.
Wednesday	Notes:	Objective: Students will be able to evaluate exponential functions. Lesson Overview: *This is a continuation of previous day's lesson.* Use big whiteboards and groups of 3-4 students to practice evaluating, with and without technology.	Academic Standards: P.F-IF.C.7 Graph functions expressed symbolically and show key features of the graph, by hand in simple cases and using technology for more complicated cases. P.F-BF.B.5 Understand the inverse relationship between exponents and logarithms and use this relationship to solve problems involving logarithms and exponents.
Thursday	Notes:	Objective: Students will be able to graph exponential functions. Lesson Overview: Notes: Start with parent function (e^x) and explore how shifts and stretches result in new graphs. Review exponent/log rules before using tables to graph. Pay particular attention to negative values and range values. Use big whiteboards and groups of 3-4 students to practice graphing.	Academic Standards: P.F-BF.B.5 Understand the inverse relationship between exponents and logarithms and use this relationship to solve problems involving logarithms and exponents.

Friday	Notes:	Objective: Students will be able to graph exponential functions. Lesson Overview: Independent practice on Khan Academy	Academic Standards: P.F-IF.C.7 Graph functions expressed symbolically and show key features of the graph, by hand in simple cases and using technology for more complicated cases. Graph rational functions, identifying zeros and asymptotes when suitable factorizations are available, and showing end behavior.