Mrs. Medlen
Pre-Calculus
Lesson Plans

CARROLL HIGH SCHOOL

	Monday 2/12	Tuesday 2/13	Wednesday 2/14	Thursday 2/15	Friday 2/16
ACCRS (Objectives):	.(+) Understand the inverse relationship between exponents and logarithms, and use this relationship to solve problems involving logarithms and exponents. [F-BF5] 25. Compare effects of parameter changes on graphs of transcendental functions. Example: Explain the relationship of the graph y = ex-2 to the graph y = ex				
Before:	*ACT Warm-Up	*ACT Warm-Up *Review HW Set	*ACT Warm-Up *Review HW Set	*Quiz	*Student Holiday*
During:	*Lesson: Exponential Functions & MMM Ex 1-8	*Lesson: Logarithms and Base 10 (MMM Ex 9-28)	*Spiral Review Problems	*Lesson: Natural Log & MMM p3, 29-48	
After:	*Group Collaboration Set/HW Set MMM p5, 16-27	*Group Collaboration Set/HW Set MMM p5, 28-37	*Share answers to Spiral Review Problems	*Group Collaboration Set/HW Set MMM p6, 38-42 *HW: Khan Academy Assignment	
Desired Outcome:	Students will be able to solve exponential equations. Students will be able to graph an exponential function.	Students will be able to solve problems with logarithms.	Students will be able to solve exponential and logarithm equations and expressions.	Students will be able to solve problems dealing with natural log. Students will be able to relate the natural log graph as the inverse of the exponential graph.	
Formative/ Summative:	Student questioning throughout lesson Khan Academy Quiz	Student questioning throughout lesson Khan Academy Quiz	Spiral Review Practice	Quiz	
Critical Questions:	*Explain what an exponential function is. What does its domain and range look like?*	*Explain the meaning of a logarithm.*	*n/a*	*Explain the natural log function and how it relates to the exponential function.*	