Math 3 Unit 3 Calendar - Exponential & Logarithmic Functions					
Essential Questions: 1. How can you represent situations that grow exponentially, such as bacteria or interest? 2. How does compound interest work?					
NAME					
Day	Date	Торіс	State Standards	I Can	HW
м	1-Oct	Exponential Growth & Decay	NC.M3.A-CED.1	-build exponential functions to represent relationships given a real-world situation or mathematical process	Day 1 HW DeltaMath Pre-Req DUE in ONE WEEK
т	2-Oct	Logarithm as Inverse of Exponential Function	NC.M3.F-BF.1a NC.M3.F-BF.4	-graph and describe key features of exponential functions with and without technology -understand the inverse relationship between exponents and logs	Day 2 HW
w	3-Oct	Graphing Logs (MVP 2.2 Lesson)	NC.M3.A-CED.2 NC.M3.F-IF.4	-identify and describe the effects of transformations of exponential and logarithmic functions in relation to their parent functions	DeltaMath Practice
R	4-Oct	Graphing Logs			Day 3 HW
F	5-Oct	Properties of Logs	NC.M3.F-LE.4	-write equivalent forms of log expressions to help solve	Day 4 HW
м	8-Oct	Quiz (Days 1-3)	NC.M3.F-LE.4		Day 5 HW DeltaMath Pre-Req Due!
т	9-Oct	Solving Logs with Activity		 -use logarithms to solve exponential equations, justifying each step using mathematical properties 	Day 6 HW
w	10-Oct	(PSAT) Graphing & Solving Review Day	NC.M3. F-IF.7	-use different representations to interpret key features of an exponential or a logarithmic function in context	STUDY!
R	11-Oct	Compound Interest	MC.M3.A-SSE.1	-identify and interpret parts of an exponential expression and relate them to a real-world situation	DAY 7 HW
F	12-Oct	Review			STUDY!
М	15-Oct	Test			