Anit Restection: Exponentials and Logarithms

Learning Target	Success Criteria (What you need to know)	How well do you know this? (YOU)	Are you sure?
LE1:	✓ Be familiar with the basic form of an exponential equation		
Exponential Equations	✓ Recognize whether an exponential equation represents growth or decay		
Equations	✓ Write an exponential equation from two points		
	✓ Write a basic exponential equation from a word problem		
	✓ Solve an exponential equation, given a value for the independent variable		
LE2:	✓ Convert an exponential equation to the equivalent logarithmic equation		
Logarithms	✓ Convert an logarithmic equation to the equivalent exponential equation		
	✓ Solve an equation by converting it to the other form		
LEe: More	✓ Know the base of the common logarithm, and evaluate on calculator		
Logarithms	\checkmark Know the base of the natural logarithm, and evaluate on calculator		
	✓ Use the change of base formula to evaluate other logarithms		
LE3: Properties	✓ Use the product rule to expand or combine logarithms		
of Logarithms	✓ Use the quotient rule to expand or combine logarithms		
	✓ Use the power rule to simplify logarithms		
LE4:	✓ Write a basic exponential equation from a word problem and solve for either variable		
Applications 1	✓ Write an exponential equation from a half-life problem and solve for either variable		
	✓ Write an exponential equation from a "percent increase" word problem and solve for either variable		
	 Write an exponential equation from a "percent decrease" word problem and solve for either variable 		
	✓ Write an exponential equation from a "simple interest" word problem and solve for either variable		

LE5: Applications 2	 ✓ Write an exponential equation from a "compound interest" word problem and solve for either variable ✓ Write an exponential equation from a "continuously compounded interest" word problem and solve for either variable ✓ Write an exponential equation of the basic from a "percent increase" word problem and solve for either variable 	
LE6: Applications 3	 ✓ Write an exponential equation from a "Newton's law of cooling" word problem and solve for either variable ✓ Given a "logistic growth" word problem, solve for either variable ✓ Use the techniques in this unit to solve various logarithmic or exponential word problems 	

Re	Reflections:	

Goals for NEXT TIME: