ALGEBRA 2
Proficiency Scale: Exponents & Logarithms

Essential Learning Target: I can solve logarithmic & exponential equations and graph logarithmic and exponential functions.			
	Scoring Guidelines		
4.0	In addition to Score 3.0, in-depth inferences and applications that go beyond what was taught. **I can write an exponential from a situation and apply it.**		

3.0	The student will:
	    I can graph an exponential ~~_____~~ and state all its key features.
	    I can solve an exponential or logarithmic equation.
	The student exhibits no major errors or omissions.		

2.0	There are no major errors or omissions regarding the simpler details and processes as the student: Recognizes or recalls specific terminology as:		

Recognizes or recalls specific terminology as:

Exponential Function	X/Y-Intercepts	Exponent	Expand
Logarithmic Function	Asymptote	Common Logarithm	Condense
Domain	Exponential Growth	Natural Log	Product Property
Range	Exponential Decay	$\ln(x)$	Power Property
End Behavior	Base	e	Change of Base

Performs basic processes, such as:
    I can identify the transformations of a given exponential or logarithmic function.
    I can expand or condense a logarithmic expression using the properties of logarithms.
    I can convert between logarithmic and exponential form.
    I can solve an exponential equation by finding a common base.
    I can write the equation of a function given its parent function and transformations.