Name_____
Date_____

Focused Instruction: Unit 3 Exponential, Power and Logarithmic Functions

Learning Targets: This is an organized list of learning targets to help you prepare for the Unit Test. Please rank each topic using the provided scale.
If you are a low rank on a topic you should: look in your notes, do some research on the topic, look in your green book in CHAPTER 5 page 238-295, as a friend who has a higher rank on that topic than you, as a question to the teacher.

Rank yourself and make an example for each Learning target.

Term	**I could teach this topic to others**	**I can do this topic on my own**	**I can do this topic with some help**	**I do not understand this topic at all**
I can define exponential functions **This can be found on page 240** $Y=a(b)^x$				
I can apply properties of exponents You need to know your exponent Rules **This can be found on page 246** **Practice problems on page 249**				
I can define power functions **This can be found on page 247** $Y=a(x)^n$				
I can solve equations with exponents as variables **This can be found on page 246** **Example A**				

I can solve power functions **Practice problems can be found on page 248 #5**				
I can write a root with a rational exponents **This can be found on page 252**				
I can re-write expressions with rational exponents as expressions involving roots **This can be found on page 252**				
I can define log functions **This can be found on page 273**				
I can use the definition of log to change between log and exponential form				
I can apply the Change of Base formula				
I can simplify expressions with Logs **Please see the HW**				
I can apply the properties of logs **This can be found on page 282**				

I can make a table and graph of exponential Functions and identify asymptotes in graph				
I can write and graph the equation for a Functions inverse. **This can be found on page 266**				
I can write the equation of a exponential function. This takes practice. **This can be found on page 254**				