Name: _____   Date: _____

Chapter 6 Problem Wrap-Up Rubric   **BLM 6–9**

Category	Level 1	Level 2	Level 3	Level 4
Knowledge and Understanding • writes a report on the information found about the equation	• demonstrates limited understanding of exponential and logarithmic functions by not identifying the variables and reporting on few interesting discoveries	• demonstrates some understanding of exponential and logarithmic functions by identifying one of the variables and reporting on a few interesting discoveries	• demonstrates considerable understanding of exponential and logarithmic functions by identifying the variables and reporting on some interesting discoveries	• demonstrates thorough understanding of exponential and logarithmic functions by identifying the variables and fully reporting on interesting discoveries
Thinking • prepares a plan to solve the problem • carries out the plan	• needs extensive assistance to begin organizing a plan and needs clearly laid out steps to follow	• needs some assistance to begin organizing a plan and needs some steps to follow	• needs minimal assistance to organize and implement an effective strategy	• needs no assistance to organize and implement an effective strategy
Communication • correctly uses mathematical language • clearly explains and fully justifies solution	• maintains the correct language in some of the solution • does not clearly explain or justify solution	• maintains the correct language throughout most of the solution • explains and justifies solution somewhat	• maintains the correct language throughout the solution • explains and justifies solution fully	• maintains the correct language throughout the solution • explains, justifies and shows insight into the complexities of the solution
Application • researches the equation • poses appropriate problems	• researches the problem very superficially • interprets the information ineffectually, by posing no appropriate, fully solved problems	• researches the problem very minimally • interprets the information somewhat effectually, by posing appropriate problems without full solutions	• researches the problem adequately • interprets the information with considerable effectiveness, by posing appropriate, fully solved problems	• researches the problem very thoroughly • interprets the information with a high degree of effectiveness, by posing appropriate, fully solved and interesting problems