Name: _____   Date: _____

Section 7.5 Achievement Check Rubric

Category	Level 1	Level 2	Level 3	Level 4
Knowledge and Understanding • Creates a scatter plot of the data. • Finds an exponential regression equation.	Demonstrates limited understanding of using technology to produce scatter plots and find the equation of the curve of best fit.	Demonstrates some understanding of using technology to produce scatter plots and find the equation of the curve of best fit.	Demonstrates considerable understanding of using technology to produce scatter plots and find the equation of the curve of best fit.	Demonstrates thorough understanding of using technology to produce scatter plots and find the equation of the curve of best fit.
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 • Clear explanations and full justifications. • Correct use of mathematical language.	Does not clearly explain or justify solution. Maintains the correct units in some of the solution.	Explains and justifies solution somewhat. Maintains the correct units throughout most of the solution.	Explains and justifies solution fully. Maintains the correct units throughout the solution.	Explains, justifies and shows insight into the complexities of the solution. Maintains the correct units throughout the solution.
Application • Uses the equation to predict when the satellite needs recharging.	Interprets the information ineffectively and has difficulty making reasonable predictions.	Interprets the information somewhat effectively and has some difficulty making reasonable predictions.	Interprets the information with considerable effectiveness and has little difficulty making reasonable predictions.	Interprets the information with a high degree of effectiveness and has no difficulty making reasonable predictions.