Name: _____ Date: _____

BLM 3–8

Section 3.4 Achievement Check Rubric

Category	Level 1	Level 2	Level 3	Level 4
Knowledge and Understanding • Create a scatter plot with line of best fit and equation using technology.	Demonstrates limited understanding of scatter plots and linear regression models.	Demonstrates some understanding of scatter plots and linear regression models.	Demonstrates considerable understanding of scatter plots and linear regression models.	Demonstrates thorough understanding of scatter plots and linear regression models.
Thinking • Prepare a plan to solve the problem. • Carry 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. Uses the correct mathematical conventions in some of the solution.	Explains and justifies solution somewhat. Uses the correct mathematical conventions throughout most of the solution.	Explains and justifies solution fully. Uses the correct mathematical conventions throughout the solution.	Explains, justifies, and shows insight into the complexities of the solution. Uses the correct mathematical conventions throughout the solution.
Application • Transfer knowledge of linear regression analysis to data set.	Organizes the data ineffectively and has difficulty completing the linear regression analysis.	Organizes the data somewhat effectively and has difficulty completing the linear regression analysis.	Organizes the data with considerable effectiveness and has little difficulty completing the linear regression analysis.	Organizes the data with a high degree of effectiveness and has no difficulty completing the linear regression analysis.

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