Name: _____   Date: _____

Achievement Check Rubric

Category	Level 1	Level 2	Level 3	Level 4
Knowledge/ Understanding	• demonstrates limited knowledge of construction of a scatter plot, interpolation and extrapolation, and finding the line of best fit	• demonstrates some knowledge of construction of a scatter plot, interpolation and extrapolation, and finding the line of best fit	• demonstrates considerable knowledge of construction of a scatter plot, interpolation and extrapolation, and finding the line of best fit	• demonstrates a thorough knowledge of construction of a scatter plot, interpolation and extrapolation, and finding the line of best fit
Thinking	• uses planning and critical thinking processes with limited effectiveness (e.g., demonstrates limited evidence of inference in estimating)	• uses planning and critical thinking processes with some effectiveness (e.g., demonstrates some evidence of inference in estimating)	• uses planning and critical thinking processes with considerable effectiveness (e.g., demonstrates considerable evidence of inference in estimating)	• uses planning and critical thinking processes with a high degree of effectiveness (e.g., makes convincing arguments, supported with justification)
Communication	• expresses and organizes mathematical thinking with limited effectiveness • uses mathematical vocabulary and notation with limited effectiveness (e.g., estimates of interpolation and extrapolation have limited support and clarity)	• expresses and organizes mathematical thinking with some effectiveness • uses mathematical vocabulary and notation with some effectiveness (e.g., estimates of interpolation and extrapolation have some support and clarity)	• expresses and organizes mathematical thinking with considerable effectiveness • uses mathematical vocabulary and notation with considerable effectiveness (e.g., estimates of interpolation and extrapolation have considerable support and clarity)	• expresses and organizes mathematical thinking with a high degree of effectiveness • uses mathematical vocabulary and notation with a high degree of effectiveness (e.g., statements are well organized, and are very clear and precise)
Application	• applies knowledge to this context with limited effectiveness (e.g., makes a scatter plot, finds the line of best fit, and makes estimates with considerable assistance)	• applies knowledge to this context with some effectiveness (e.g., makes a scatter plot, finds the line of best fit, and makes estimates with some assistance)	• applies knowledge to this context with considerable effectiveness (e.g., makes a scatter plot, finds the line of best fit. and makes estimates with minimal assistance)	• applies knowledge to this context with a high degree of effectiveness (e.g., makes a scatter plot, finds the line of best fit, and makes estimates accurately and independently)