Name: _____   Date: _____

Achievement Check Rubric

Category	Level 1	Level 2	Level 3	Level 4
Knowledge/ Understanding	• demonstrates limited knowledge of how to construct graphs and equations	• demonstrates some knowledge of how to construct graphs and equations	• demonstrates considerable knowledge of how to construct graphs and equations	• demonstrates a thorough knowledge of how to construct graphs and equations
Thinking	• uses planning and critical-thinking processes with limited effectiveness (e.g., shows little evidence of inference in the effects of partial and direct variation)	• uses planning and critical-thinking processes with some effectiveness (e.g., shows some evidence of inference in the effects of partial and direct variation)	• uses planning and critical-thinking processes with considerable effectiveness (e.g., shows considerable evidence of inference in the effects of partial and direct variation)	• uses planning and critical-thinking processes with a high degree of effectiveness (e.g., shows detailed evidence of inference in the effects of partial and direct variation)
Communication	• expresses and organizes mathematical thinking with limited effectiveness • uses mathematical vocabulary and notation with limited effectiveness	• expresses and organizes mathematical thinking with some effectiveness • uses mathematical vocabulary and notation with some effectiveness	• expresses and organizes mathematical thinking with considerable effectiveness • uses mathematical vocabulary and notation with considerable effectiveness (e.g., uses good form for presenting equations and graphs and describing relationships)	• expresses and organizes mathematical thinking with a high degree of effectiveness • uses mathematical vocabulary and notation with a high degree of effectiveness (e.g., uses very good form for presenting equations and graphs and describing relationships)
Application	• applies knowledge to this context with limited effectiveness (e.g., finds equations, draws and interprets graphs with considerable assistance)	• applies knowledge to this context with some effectiveness (e.g., finds equations, draws and interprets graphs with some assistance)	• applies knowledge to this context with considerable effectiveness (e.g., finds equations, draws and interprets graphs with minimal assistance)	• applies knowledge to this context with a high degree of effectiveness (e.g., finds equations, draws and interprets graphs accurately and independently)