

Achievement Check Rubric

Category	Level 1	Level 2	Level 3	Level 4
Knowledge/ Understanding	<ul style="list-style-type: none"> demonstrates limited understanding of how to rearrange and to substitute numerical values in formulas involving first-degree variables 	<ul style="list-style-type: none"> demonstrates some understanding of how to rearrange and to substitute numerical values in formulas involving first-degree variables 	<ul style="list-style-type: none"> demonstrates considerable understanding of how to rearrange and to substitute numerical values in formulas involving first-degree variables 	<ul style="list-style-type: none"> demonstrates a thorough understanding of how to rearrange and to substitute numerical values in formulas involving first-degree variables
Thinking	<ul style="list-style-type: none"> uses planning and critical-thinking processes with limited effectiveness (e.g., demonstrates limited evidence of inference in analyzing a real-life-based linear system). 	<ul style="list-style-type: none"> uses planning and critical-thinking processes with some effectiveness (e.g., demonstrates some evidence of inference in analyzing a real-life-based linear system). 	<ul style="list-style-type: none"> uses planning and critical-thinking processes with considerable effectiveness (e.g., demonstrates considerable evidence of inference in analyzing a real-life-based linear system). 	<ul style="list-style-type: none"> uses planning and critical-thinking processes with a high degree of effectiveness (e.g., provides detailed evidence of inference in analyzing a real-life-based linear system).
Communication	<ul style="list-style-type: none"> expresses and organizes mathematical thinking with limited effectiveness uses mathematical vocabulary and notation with limited effectiveness (e.g., explanations are limited and unclear) 	<ul style="list-style-type: none"> expresses and organizes mathematical thinking with some effectiveness uses mathematical vocabulary and notation with some effectiveness (e.g., explanations have some clarity and detail) 	<ul style="list-style-type: none"> expresses and organizes mathematical thinking with considerable effectiveness uses mathematical vocabulary and notation with considerable effectiveness (e.g., explanations have considerable clarity and detail; uses good form for presenting formulas and describing conclusions) 	<ul style="list-style-type: none"> expresses and organizes mathematical thinking with a high degree of effectiveness uses mathematical vocabulary and notation with a high degree of effectiveness (e.g., explanations are very clear and detailed; uses very good form for presenting formulas and describing conclusions)
Application	<ul style="list-style-type: none"> applies knowledge of linear relations and analytic geometry with limited effectiveness (e.g., manipulates equations, identifies fixed and variable costs, and finds total costs with considerable assistance) 	<ul style="list-style-type: none"> applies knowledge of linear relations and analytic geometry with some effectiveness (e.g., manipulates equations, identifies fixed and variable costs, and finds total costs with some assistance) 	<ul style="list-style-type: none"> applies knowledge of linear relations and analytic geometry with considerable effectiveness (e.g., manipulates equations, identifies fixed and variable costs, and finds total costs with minimal assistance) 	<ul style="list-style-type: none"> applies knowledge of linear relations and analytic geometry with a high degree of effectiveness (e.g., manipulates equations, identifies fixed and variable costs, and finds total costs accurately and independently)