

Achievement Check Rubric

Category	Level 1	Level 2	Level 3	Level 4
Knowledge/ Understanding	<ul style="list-style-type: none"> demonstrates limited knowledge of solving first-degree equations 	<ul style="list-style-type: none"> demonstrates some knowledge of solving first-degree equations 	<ul style="list-style-type: none"> demonstrates considerable knowledge of solving first-degree equations (e.g., solves all equations correctly) 	<ul style="list-style-type: none"> demonstrates a thorough knowledge of solving first-degree equations [e.g., solves all equations correctly, noting impossible solutions; correct answers for c) and d)]
Thinking	<ul style="list-style-type: none"> uses planning and critical-thinking processes with limited effectiveness 	<ul style="list-style-type: none"> uses planning and critical-thinking processes with some effectiveness 	<ul style="list-style-type: none"> uses planning and critical-thinking processes with considerable effectiveness [e.g., shows evidence of a plan for parts c) and d)] 	<ul style="list-style-type: none"> uses planning and critical-thinking processes with a high degree of effectiveness [e.g., shows evidence of an effective plan for parts c) and d)]
Communication	<ul style="list-style-type: none"> expresses and organizes mathematical thinking with limited effectiveness uses mathematical vocabulary and notation with limited effectiveness 	<ul style="list-style-type: none"> expresses and organizes mathematical thinking with some effectiveness uses mathematical vocabulary and notation with some effectiveness 	<ul style="list-style-type: none"> expresses and organizes mathematical thinking with considerable effectiveness uses mathematical vocabulary and notation with considerable effectiveness [e.g., uses good form for equation solving; provides a good explanation for c) and d)] 	<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., uses excellent form for equation solving; provides a clear explanation for c) and d)]
Application	<ul style="list-style-type: none"> applies knowledge to this context with limited effectiveness 	<ul style="list-style-type: none"> applies knowledge to this context with some effectiveness 	<ul style="list-style-type: none"> applies knowledge to this context with considerable effectiveness (e.g., substitutes values correctly) 	<ul style="list-style-type: none"> applies knowledge to this context with a high degree of effectiveness (e.g., shows connection between algebraic and geometric models)