Name: _____ Date: _____

BLM 4.3.3

Achievement Check Rubric

Category	Level 1	Level 2	Level 3	Level 4
Knowledge/ Understanding	• demonstrates limited knowledge of solving first-degree equations and area concepts	• demonstrates some knowledge of solving first-degree equations and some knowledge of area concepts	• demonstrates considerable knowledge of solving first-degree equations (e.g., solves equations correctly) and area concepts [e.g., uses an appropriate procedure to find the height of the triangle in part d)]	• demonstrates thorough knowledge of solving first-degree equations [e.g., solves all equations correctly, and provides correct solutions for parts c) and d)] and area concepts
Thinking	• uses planning and critical-thinking processes with limited effectiveness	• uses planning and critical-thinking processes with some effectiveness	• uses planning and critical-thinking processes with considerable effectiveness (e.g., shows evidence of a plan to find areas)	• uses planning and critical-thinking processes with a high degree of effectiveness (e.g., develops an effective plan for finding areas)
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 equation solving, and using area formulas)	• 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 finding areas in part d)]
Application	• applies knowledge of first-degree equations and area formulas with limited effectiveness in this context	• applies knowledge of first-degree equations and area formulas with some effectiveness in this context	• applies knowledge of first-degree equations and area formulas with considerable effectiveness in this context [e.g., uses the Pythagorean theorem in part d)]	• applies knowledge of first-degree equations and area formulas with a high degree of effectiveness in this context (e.g., finds areas efficiently and accurately)