Name: _____   Date: _____

Section 1.1 Achievement Check Rubric

Category	Level 1	Level 2	Level 3	Level 4
Knowledge and Understanding • Perform area calculations. • Convert from imperial to metric units.	Demonstrates limited understanding of area and unit conversion calculations.	Demonstrates some understanding of area and unit conversion calculations.	Demonstrates considerable understanding of area and unit conversion calculations.	Demonstrates thorough understanding of area and unit conversion calculations.
Thinking • Prepare a plan to solve the problem. • Carry out the plan.	Needs extensive assistance to begin organizing a plan and needs clearly laid out steps to follow.	Needs some assistance to begin organizing a plan and needs some steps to follow.	Needs minimal assistance to organize and implement an effective strategy.	Needs no assistance to organize and implement an effective strategy.
Communication • Clear explanations and full justifications. • Correct use of mathematical language.	Does not clearly explain or justify solution. Maintains the correct units in some of the solution.	Explains and justifies solution somewhat. Maintains the correct units throughout most of the solution.	Explains and justifies solution fully. Maintains the correct units throughout the solution.	Explains, justifies, and shows insight into the complexities of the solution. Maintains the correct units throughout the solution.
Application • Recognize component shapes in figure and apply area formulas. • Use given information to convert units of area.	Interprets the information ineffectively and has difficulty finding areas.	Interprets the information somewhat effectively and has difficulty finding areas.	Interprets the information with considerable effectiveness and has little difficulty finding areas.	Interprets the information with a high degree of effectiveness and has no difficulty finding areas.