Name: _____   Date: _____

Chapter 1 Task Rubric

Category	Level 1	Level 2	Level 3	Level 4
Knowledge and Understanding • Perform area calculations.	Demonstrates limited understanding of area calculations.	Demonstrates some understanding of area calculations.	Demonstrates considerable understanding of area calculations.	Demonstrates thorough understanding of area 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 conventions and language.	Does not clearly explain or justify solution. Uses mathematical language and algebra correctly in some of the solution.	Explains and justifies solution somewhat. Uses mathematical language and algebra correctly throughout most of the solution.	Explains and justifies solution fully. Uses mathematical language and algebra correctly throughout the solution.	Explains, justifies, and shows insight into the complexities of the solution. Uses mathematical language and algebra correctly throughout the solution.
Application • Recognize component shapes in figure and applies area formulas. • Make connections with a real-world situation to estimate the total cost of a construction plan.	Interprets the information ineffectively and has difficulty finding areas and a realistic cost estimate.	Interprets the information somewhat effectively and has difficulty finding areas and a realistic cost estimate.	Interprets the information with considerable effectiveness and has little difficulty finding areas and a realistic cost estimate.	Interprets the information with a high degree of effectiveness and has no difficulty finding areas and a realistic cost estimate.