Name: _____   Date: _____

Chapter 6 Problem Wrap-Up Rubric

Category	Level 1	Level 2	Level 3	Level 4
Knowledge and Understanding • Draws an isometric perspective drawing or orthographic drawings. • Draws a pattern or net.	Demonstrates limited understanding of geometry with major errors in satisfying constraints.	Demonstrates some understanding of geometry with minor errors in satisfying constraints.	Demonstrates considerable understanding of geometry with no errors in satisfying constraints.	Demonstrates thorough understanding of geometry, correctly satisfying constraints.
Thinking • Prepares a plan to solve the problem. • Carries 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 description of plan, the constraints, and the plan to meet the constraints. • Correct use of geometry terms. • Clear summary and full justifications of a creative solution.	Does not clearly describe the plan, the constraints, and the plan to meet the constraints. Does not use geometry terms, or uses terms incorrectly. Does not clearly summarize the project.	Somewhat clearly describes the plan, the constraints, and the plan to meet the constraints. Sometimes uses geometry terms correctly. Somewhat clear summary of the project.	Clearly describes the plan, the constraints, and the plan to meet the constraints. Uses geometry terms correctly. Clear summary of the project.	Clearly and completely describes the plan, the constraints, and the plan to meet the constraints. Highly effective use of geometry terms. Clear and concise summary of the project.
Application • Calculates dimensions and builds a scale model.	Interprets the information ineffectively and has difficulty making calculations. Makes little attempt to build a scale model.	Interprets the information somewhat effectively and has some difficulty making calculations. Makes some attempt to build a scale model.	Interprets the information with considerable effectiveness and has little difficulty making calculations. Builds a scale model.	Interprets the information with a high degree of effectiveness and has no difficulty making calculations. Builds a detailed scale model.