Name: _____   Date: _____

Chapter 6 Problem Wrap-Up Rubric

Categories	Level 1	Level 2	Level 3	Level 4
Knowledge and Understanding • Determines the next 20 terms • Determines a formula for the terms of the sequence	• Demonstrates limited understanding of how to determine the next 20 terms • Demonstrates limited understanding of how to determine a formula for the terms of the sequence	• Demonstrates some understanding of how to determine the next 20 terms • Demonstrates some understanding of how to determine a formula for the terms of the sequence	• Demonstrates considerable understanding of how to determine the next 20 terms • Demonstrates considerable understanding of how to determine a formula for the terms of the sequence	• Demonstrates thorough understanding of how to determine the next 20 terms • Demonstrates thorough understanding of how to determine a formula for the terms of the sequence
Thinking • Prepares a plan to research the information • Carries out the plan	• Needs extensive assistance to begin organizing a plan, and needs some steps to follow	• Needs some assistance to organize and implement an effective research strategy	• Needs minimal assistance to organize and implement an effective research strategy	• Needs no assistance to organize and implement an effective research strategy
Communication • Clearly and accurately describes the relationship between the sequence and the geometric fractals	• Describes the relationship with limited clarity and limited accuracy	• Describes the relationship with some clarity and some accuracy	• Describes the relationship with considerable clarity and considerable accuracy	• Describes the relationship with thorough clarity and thorough accuracy
Application • Connects mathematical modelling to geometric patterns	• Has limited understanding of the connection between mathematical modelling and geometric patterns	• Has some understanding of the connection between mathematical modelling and geometric patterns	• Has considerable understanding of the connection between mathematical modelling and geometric patterns	• Has thorough understanding of the connection between mathematical modelling and geometric patterns