

Name: _____

Date: _____

Chapter 1 Problem Wrap-Up Rubric

BLM 1–19

Categories	Level 1	Level 2	Level 3	Level 4
Knowledge and Understanding <ul style="list-style-type: none"> polynomials and their domains, ranges, finite differences and symmetry 	<ul style="list-style-type: none"> demonstrates little understanding of polynomials and their domains, ranges, finite differences and symmetry design uses one polynomial function 	<ul style="list-style-type: none"> demonstrates some understanding of polynomials and their domains, ranges, finite differences and symmetry design uses one or two polynomial functions 	<ul style="list-style-type: none"> demonstrates considerable understanding of polynomials and their domains, ranges, finite differences and symmetry design uses two polynomial functions 	<ul style="list-style-type: none"> demonstrates thorough understanding of polynomials and their domains, ranges, finite differences and symmetry design uses two or three polynomial functions
Thinking <ul style="list-style-type: none"> Prepares a plan to solve the problem Carries out the plan 	<ul style="list-style-type: none"> needs extensive assistance to begin organizing a plan and needs some steps to follow 	<ul style="list-style-type: none"> needs some assistance to organize and implement an effective strategy 	<ul style="list-style-type: none"> needs minimal assistance to organize and implement an effective strategy 	<ul style="list-style-type: none"> needs no assistance to organize and implement an effective strategy
Communication <ul style="list-style-type: none"> clear explanations and full justifications correct use of mathematical language report includes description of item, drawing of design, the polynomial equations used, features of the polynomials 	<ul style="list-style-type: none"> does not clearly explain or justify solution uses limited mathematical form has one component of the report 	<ul style="list-style-type: none"> explains and justifies solution somewhat uses minimal mathematical form has two components of the report 	<ul style="list-style-type: none"> explains and justifies solution fully uses good mathematical form has three components of the report 	<ul style="list-style-type: none"> explains, justifies and shows insight into the complexities of the solution uses excellent mathematical form has all four components of the report