

Name: _____

Date: _____

Chapter 2 Problem Wrap-Up Rubric

BLM 2-10

Categories	Level 1	Level 2	Level 3	Level 4
Knowledge and Understanding <ul style="list-style-type: none"> • understanding of families of polynomial functions • curve creation • mathematical accuracy in solutions 	<ul style="list-style-type: none"> • demonstrates little understanding of families of polynomial functions • a simple design was created that had at least one curve • a limited solution to the question is provided. The solutions lack in accuracy 	<ul style="list-style-type: none"> • demonstrates some understanding of families of polynomial functions • a simple and not very complex design was created, it had a few curves • the solution to some parts of the question are provided. The solutions are somewhat accurate 	<ul style="list-style-type: none"> • demonstrates considerable understanding of families of polynomial functions • an interesting and complex design was created with a variety of curves • the solution to most parts of the question are provided • the solutions are mostly accurate 	<ul style="list-style-type: none"> • demonstrates thorough understanding of families of polynomial functions • a very interesting, creative and complex design was created with a variety of curves • the solution to all parts of the question are provided • the solutions are all accurate
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 • outlines their method and reasons for their design 	<ul style="list-style-type: none"> • does not clearly explain or justify solution • uses limited mathematical form • has a limited method and reason for their design 	<ul style="list-style-type: none"> • explains and justifies solution somewhat • uses minimal mathematical form • has an outlined method of design and reasoning for the design 	<ul style="list-style-type: none"> • explains and justifies solution fully • uses good mathematical form • has a good outlined method of design and reasoning for the design 	<ul style="list-style-type: none"> • explains, justifies and shows insight into the complexities of the solution • uses excellent mathematical form • has an excellent outlined method of design and reasoning for the design