

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