

Name: _____

Date: _____

BLM 5-16

Chapter 5 Problem Wrap-Up Rubric

Category	Level 1	Level 2	Level 3	Level 4
Knowledge and Understanding <ul style="list-style-type: none"> Demonstrates understanding of quadratic relations. 	Demonstrates limited understanding of quadratic relations and has major numerical errors in work.	Demonstrates some understanding of quadratic relations and has minor numerical errors in work.	Demonstrates considerable understanding of quadratic relations and has no numerical errors in work.	Demonstrates thorough understanding of quadratic relations and has no numerical errors in work.
Thinking <ul style="list-style-type: none"> 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 <ul style="list-style-type: none"> Clear explanations and full justifications. Correct use of mathematical language. 	Does not clearly explain or justify solution.	Explains and justifies solution somewhat.	Explains and justifies solution fully.	Explains, justifies and shows insight into the complexities of the solution.
Application <ul style="list-style-type: none"> Applies quadratic relations to design a fountain. 	Applies quadratic relations ineffectively and has difficulty designing a fountain.	Applies quadratic relations somewhat effectively and has some difficulty designing a fountain.	Applies quadratic relations with considerable effectiveness and has little difficulty designing a fountain.	Applies quadratic relations with a high degree of effectiveness and has no difficulty designing a fountain.