

Name: _____

Date: _____

BLM 1–14

Chapter 1 Problem Wrap-Up Rubric

Categories	Level 1	Level 2	Level 3	Level 4
Knowledge and Understanding <ul style="list-style-type: none"> Creates a table of first differences in part a). Finds the vertex from the given table in part c). Converts the equation from standard form to vertex form in part d). 	Demonstrates limited understanding of quadratic functions and their different forms, making major errors.	Demonstrates some understanding of quadratic functions and their different forms, making minor errors.	Demonstrates considerable understanding of quadratic functions and their different forms, creates a table of first differences with some entries.	Demonstrates thorough understanding of quadratic functions and their different forms, creates a table of first differences with many entries.
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. 	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"> Finds an equation that models the revenue using technology in part b). 	Interprets the information ineffectively and finds an equation using technology with considerable assistance.	Interprets the information somewhat effectively and finds an equation using technology with some assistance.	Interprets the information with considerable effectiveness and finds the equation using technology with little assistance.	Interprets the information with a high degree of effectiveness and finds the equation using technology without assistance.