

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. |