

Chapter 2 Problem Wrap-Up Rubric

Categories	Level 1	Level 2	Level 3	Level 4
Knowledge and Understanding <ul style="list-style-type: none"> Expresses the function in two other forms. Identifies the key features of the shape. 	Demonstrates limited understanding of quadratic functions in different forms and the features of their graphs, making major errors.	Demonstrates some understanding of quadratic functions in different forms and the features of their graphs, making only minor errors.	Demonstrates considerable understanding of quadratic functions in different forms and the features of their graphs, making no errors.	Demonstrates thorough understanding of quadratic functions in different forms and the features of their graphs, giving a complete and correct solution.
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"> Correct use of mathematical language. Clear explanations and full justifications. 	Uses terminology for functions and their graphs incorrectly. Does not clearly explain or justify solution.	Sometimes uses terminology for functions and their graphs incorrectly. Explains and justifies solution somewhat.	Correctly uses terminology for functions and their graphs. Explains and justifies solution fully.	Correctly uses terminology for functions and their graphs fluently. Explains, justifies, and shows insight into the complexities of the solution.
Application <ul style="list-style-type: none"> Finds an equation that models the structure. 	Interprets the information ineffectively and finds an equation that models the structure with considerable assistance.	Interprets the information somewhat effectively and finds an equation that models the structure with some assistance.	Interprets the information with considerable effectiveness and finds an equation that models the structure with little assistance.	Interprets the information with a high degree of effectiveness and finds an equation that models the structure without assistance.