

Name: _____

Date: _____

Section 1.6 Achievement Check Rubric**BLM 1–8**

Categories	Level 1	Level 2	Level 3	Level 4
Knowledge and Understanding <ul style="list-style-type: none"> Determines the factored form of a quadratic function given a point and the zeros Converts a quadratic function between factored, standard, and vertex form Determines the vertex from vertex form and using partial factoring 	<ul style="list-style-type: none"> Demonstrates limited understanding of how to determine the factored form of the equation of a quadratic function given a point and the zeros, how to convert between factored, standard, and vertex form, and how to determine the vertex from vertex form and using partial factoring 	<ul style="list-style-type: none"> Demonstrates some understanding of how to determine the factored form of the equation of a quadratic function given a point and the zeros, how to convert between factored, standard, and vertex form, and how to determine the vertex from vertex form and using partial factoring 	<ul style="list-style-type: none"> Demonstrates considerable understanding of how to determine the factored form of the equation of a quadratic function given a point and the zeros, how to convert between factored, standard, and vertex form, and how to determine the vertex from vertex form and using partial factoring 	<ul style="list-style-type: none"> Demonstrates thorough understanding of how to determine the factored form of the equation of a quadratic function given a point and the zeros, how to convert between factored, standard, and vertex form, and how to determine the vertex from vertex form and using partial factoring
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 organize 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"> Provides clear explanations and justifications Correctly uses mathematical language Clearly labels graphs 	<ul style="list-style-type: none"> Does not clearly explain or justify solution Uses limited mathematical form Uses limited labelling on graphs 	<ul style="list-style-type: none"> Explains or justifies the solution somewhat Uses minimal mathematical form Uses minimal labelling on graphs 	<ul style="list-style-type: none"> Explains or justifies the solution fully Uses good mathematical form Most labels are found on graphs 	<ul style="list-style-type: none"> Explains, justifies, and shows insight into the complexities of the solution Uses excellent mathematical form Graphs are clearly labelled with all key features identified
Application <ul style="list-style-type: none"> From algebra to graphing 	<ul style="list-style-type: none"> Has limited understanding of the connection between the different representations in the question 	<ul style="list-style-type: none"> Has some understanding of the connection between the different representations in the question 	<ul style="list-style-type: none"> Has considerable understanding of the connection between the different representations in the question 	<ul style="list-style-type: none"> Has thorough understanding of the connection between the different representations in the question

