

Name: _____

Date: _____

BLM 6-18

Task: Abbey Leisure Centre Rubric

Category	Level 1	Level 2	Level 3	Level 4
Knowledge/ Understanding	<ul style="list-style-type: none"> demonstrates limited knowledge of the basic properties of quadratic relations e.g., forms $y = a(x - r)(x - s)$ and $y = a(x - h)^2 + k$ 	<ul style="list-style-type: none"> demonstrates some knowledge of the basic properties of quadratic relations e.g., forms $y = a(x - r)(x - s)$ and $y = a(x - h)^2 + k$ 	<ul style="list-style-type: none"> demonstrates considerable knowledge of the basic properties of quadratic relations e.g., forms $y = a(x - r)(x - s)$ and $y = a(x - h)^2 + k$ (e.g., manipulates the relations with considerable accuracy to find the vertex and interpret the result) 	<ul style="list-style-type: none"> demonstrates thorough knowledge of the basic properties of quadratic relations e.g., forms $y = a(x - r)(x - s)$ and $y = a(x - h)^2 + k$ (e.g., manipulates the relations with a high degree of accuracy to find the vertex and interpret the result)
Thinking	<ul style="list-style-type: none"> uses planning and critical thinking processes with limited effectiveness (e.g., little evidence of problem solving and reasoning skills in analysing and solving the problem) 	<ul style="list-style-type: none"> uses planning and critical thinking processes with some effectiveness (e.g., some evidence of problem solving and reasoning skills in analysing and solving the problem) 	<ul style="list-style-type: none"> uses planning and critical thinking processes with considerable effectiveness (e.g., considerable evidence of problem solving and reasoning skills in analysing and solving the problem) 	<ul style="list-style-type: none"> uses planning and critical thinking processes very effectively (e.g., detailed evidence of problem solving and reasoning skills in analysing and solving the problem)
Communication	<ul style="list-style-type: none"> expresses and organizes mathematical thinking with limited effectiveness uses mathematical vocabulary and notation with limited effectiveness 	<ul style="list-style-type: none"> expresses and organizes mathematical thinking with some effectiveness uses mathematical vocabulary and notation with some effectiveness 	<ul style="list-style-type: none"> expresses and organizes mathematical thinking with considerable effectiveness uses mathematical vocabulary and notation with considerable effectiveness (e.g., uses good form for presenting a solution and/or graphs) 	<ul style="list-style-type: none"> expresses and organizes mathematical thinking with a high degree of effectiveness uses mathematical vocabulary and notation with a high degree of effectiveness (e.g., uses very good form for presenting a solution and/or graphs)
Application	<ul style="list-style-type: none"> applies knowledge to this context with limited effectiveness (e.g., applies steps to set up the revenue formula in the form $y = a(x - r)(x - s)$ and transforms it to the form $y = a(x - h)^2 + k$ with limited success) 	<ul style="list-style-type: none"> applies knowledge to this context with some effectiveness (e.g., applies steps to set up the revenue formula in the form $y = a(x - r)(x - s)$ and transforms it to the form $y = a(x - h)^2 + k$ with some success) 	<ul style="list-style-type: none"> applies knowledge to this context with considerable effectiveness (e.g., applies steps to set up the revenue formula in the form $y = a(x - r)(x - s)$ and transforms it to the form $y = a(x - h)^2 + k$ with considerable success; e.g., by using tools to find the relation and/or generalizing to an algebraic technique) 	<ul style="list-style-type: none"> applies knowledge to this context with a high degree of effectiveness (e.g., applies steps to set up the revenue formula in the form $y = a(x - r)(x - s)$ and transforms it to the form $y = a(x - h)^2 + k$ with a high degree of success; e.g., by using tools to find the relation and/or generalizing to an algebraic technique)