Name: _____   Date: _____

Task: Cari Sports Centre Rubric

Category	Level 1	Level 2	Level 3	Level 4
Knowledge/ Understanding	• demonstrates limited knowledge of a) the basic properties of quadratic relations and their graphs and of b) techniques for solving quadratic equations	• demonstrates some knowledge of a) the basic properties of quadratic relations and their graphs and of b) techniques for solving quadratic equations	• demonstrates considerable knowledge of a) the basic properties of quadratic relations and their graphs and of b) techniques for solving quadratic equations	• demonstrates thorough knowledge of a) the basic properties of quadratic relations and their graphs and of b) techniques for solving quadratic equations
Thinking	• uses planning and critical thinking processes with limited effectiveness (e.g., little evidence of inference in solving and interpreting the relations in parts c) and d))	• uses planning and critical thinking processes with some effectiveness (e.g., some evidence of inference in solving and interpreting the relations in parts c) and d))	• uses planning and critical thinking processes with considerable effectiveness (e.g., considerable evidence of inference in solving and interpreting the relations in parts c) and d))	• uses planning and critical thinking processes very effectively (e.g., detailed evidence of inference in solving and interpreting the relations in parts c) and d))
Communication	• expresses and organizes mathematical thinking with limited effectiveness • uses mathematical vocabulary and notation with limited effectiveness	• expresses and organizes mathematical thinking with some effectiveness • uses mathematical vocabulary and notation with some effectiveness	• expresses and organizes mathematical thinking with considerable effectiveness • uses mathematical vocabulary and notation with considerable effectiveness (e.g., uses good form for presenting graphs and solving/analysing equations)	• 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 graphs and solving/analysing equations)
Application	• applies knowledge to this context with limited effectiveness (e.g., applies steps to solve the quadratic equations and find the coordinates of the vertex with limited effectiveness)	• applies knowledge to this context with some effectiveness (e.g., applies steps to solve the quadratic equations and find the coordinates of the vertex with some effectiveness)	• applies knowledge to this context with considerable effectiveness (e.g., applies steps to solve the quadratic equations and find the coordinates of the vertex with considerable effectiveness)	• applies knowledge to this context with a high degree of effectiveness (e.g., applies steps to solve the quadratic equations and find the coordinates of the vertex with a high degree of effectiveness)