

Vocabulary :

- You are expected to explain the following in your own words as well as to know the meaning and examples
- Quadratic function, quadratic equation, polynomial, degree of a polynomial, leading coefficient, constant term, translation, vertical, horizontal, stretch, expansion, compression, reflection in the x-axis, *conjuguent*, parabola, y-intercept, x-intercept, maximum, minimum, vertex,

Topic/task/ question/example	Notes/remarks/examples ...	I can do this ☺	I need to review this !!!
I can... .. identify which of the given functions is a quadratic function and justify my answer.			
... describe a quadratic function in terms of its equation and/or graph.			
... identify and describe important features of a parabola.			
.. write an equation of the axis of symmetry given a graph or and equation of a parabola.			
... give coordinates of a vertex.			
... describe transformations given a graph.			

Topic/task/ question/example	Notes/remarks/examples ...	I can do this 😊	I need to review this !!!
I can...			
... describe transformations given mapping notation.			
... describe transformations given an equation in vertex form.			
... describe transformations given an equation in standard form.			
... convert an equation in vertex form to standard form.			
... convert an equation in standard form to vertex form.			
... complete a square.			
... factor using a variety of methods and their combinations.			

Topic/task/ question/example	Notes/remarks/examples ...	I can do this ☺	I need to review this !!!
I can...			
... give a mapping notation given a graph of a parabola.			
... give a mapping notation given an equation.			
... give a mapping notation given word description of transformations.			
... write an equation given a graph.			
... write an equation given a word description of transformations.			
... write an equation given mapping notation.			
...describe the domain of a quadratic function using set notation.			
... describe the range of a quadratic function using set notation.			

Topic/task/ question/example	Notes/remarks/examples ...	I can do this ☺	I need to review this !!!
I can...			
...find coordinates of a point on a transformed graph given description of transformations.			
... graph a parabola given description of all transformations.			
... explain the difference between vertical and horizontal transformations.			
... graph a parabola given mapping notation.			
... graph a parabola given an equation.			
... calculate x-intercepts given an equation, or a graph, or mapping notation			
... identify the y-intercept given an equation, or a graph or mapping notation.			
... determine the maximum or minimum value of a parabola given an equation.			
...solve word problems involving quadratic equations.			
... determine whether a given point is on a graph of a parabola given an equation.			
... honestly say I have studied this unit and always tried my best.			