

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, *Congruent*, 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 !!!
<p>I can...</p> <p>... describe transformations given mapping notation.</p>			
<p>... describe transformations given an equation in vertex form.</p>			
<p>... describe transformations given an equation in standard form.</p>			
<p>... convert an equation in vertex form to standard form.</p>			
<p>... convert an equation in standard form to vertex form.</p>			
<p>... complete a square.</p>			
<p>... factor using a variety of methods and their combinations.</p>			

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

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.			