

- to be able to determine the vertex and properties of any quadratic function (parabola)
- solve and sketch polynomial equations and inequations
- solve problems involving polynomial equations

Knowledge & Skills	I have reviewed it	I have done questions	I think I've got this
Factoring: common, trinomial, difference of squares			
Determine the vertex of a quadratic function (parabola) by completing the square (no decimals)			
Sketch and state max/min & when it occurs for parabolas			
Solve and sketch quadratic equations			
Use the quadratic formula to get simplified, exact answers. Ex $x = \frac{2 \pm \sqrt{2}}{3}$			
Divide polynomials and state the division statement			
Factor higher degree polynomials using polynomial division			
Factor higher degree polynomials using smile twice			
Solve and sketch higher degree equations			
Solve polynomial equations with fractions			
Solve polynomial inequations by sketching			
Applications Of Polynomial Functions			
Grade 10 / 11 quadratic word problems			
Plane's height above ground type			
Dimensions of the cardboard box type			