





# Honors Math 3

## Unit 1 – More Functions & More Features

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Keep track of your concept progress by checking the appropriate box as we go through the unit

	 <i>I Can...</i>	<i>Know a little</i> 	<i>Need Practice</i> 	<i>I Got it!</i> 
1	Find the values of a piecewise function.			
2	Evaluate composite values & functions.			
3	Graph a piecewise function, given an equation.			
4	Write the equations of a piecewise function, given a graph.			
5	Model a story context using a piecewise function.			
6	Model a piece – wise function from a story/ real – life application.			
7	Write the equation of an absolute value function in piecewise form, given an equation in the form: $f(x) = a x - h  + k$ .			
8	Graph the equation of $g(x) =  f(x) $ when $f(x)$ is a linear function.			
9	Graph the equation of $g(x) =  f(x) $ when $f(x)$ is an exponential function.			
10	Write the piecewise equation of $g(x) =  f(x) $ when $f(x)$ is a quadratic function.			
11	Describe the features of a function: domain, range, and intercepts.			
12	Describe the features of a function: intervals of increase and decrease.			



**Unit Reflection:** This is my plan on how to improve my “Know a Little” & “Need Practice” line numbers.

Plan # 1 \_\_\_\_\_

Plan # 2 \_\_\_\_\_

Plan # 3 \_\_\_\_\_

Plan # 4 \_\_\_\_\_