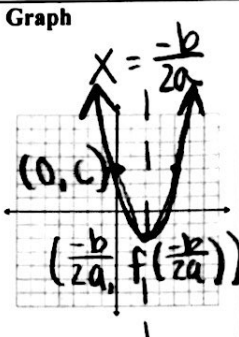
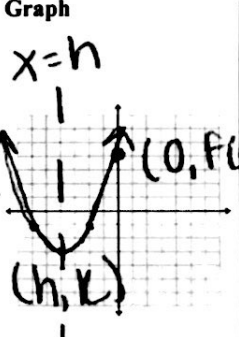
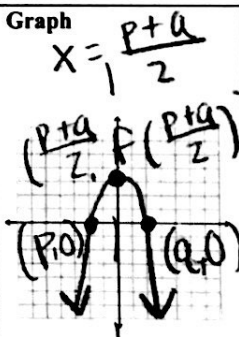


Name: KEY

Quadratic Function Concept Map

<p>Standard Form</p> $y = ax^2 + bx + c$ <p>Example: $y = -x^2 + 3x - 7$</p>	<p>Axis of Symmetry</p> $x = \frac{-b}{2a}$	<p>Vertex</p> $\left(\frac{-b}{2a}, f\left(\frac{-b}{2a}\right)\right)$	<p>y-intercept</p> $(0, c)$	<p>Miscellaneous</p> <p>* use table to find more points</p>	<p>Graph</p> 
<p>Vertex Form</p> $y = a(x - h)^2 + k$ <p>Example: $y = -(x - 2)^2 - 5$</p>	<p>Axis of Symmetry</p> $x = h$ <p>* careful of sign</p>	<p>Vertex</p> (h, k)	<p>y-intercept</p> $(0, f(0))$	<p>Miscellaneous</p> <p>* use table to find more points</p>	<p>Graph</p> 
<p>Intercept Form</p> $y = a(x - p)(x - q)$ <p>Example: $y = -(x + 1)(x - 1)$</p>	<p>Axis of Symmetry</p> $x = \frac{p+q}{2}$ <p>* halfway between intercepts</p>	<p>Vertex</p> $\left(\frac{p+q}{2}, f\left(\frac{p+q}{2}\right)\right)$	<p>y-intercept</p> $(0, f(0))$	<p>Miscellaneous</p> <p>* x-int: (p, 0) & (q, 0)</p>	<p>Graph</p> 

Quadratic Keywords

