

Quadratic Analysis	
Standard form of quadratic: $ax^2 + bx + c = 0$	
Find zeroes with the Quadratic Formula or factoring	
Vertex: $\left(-\frac{b}{2a}, c - \frac{b^2}{4a}\right)$	
Axis of symmetry: $x = -\frac{b}{2a}$	
$a > 0$	$a < 0$
Graph smiles	Graph frowns
Vertex reveals the minimum image	Vertex reveals the maximum image

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