

Equation of a Quadratic in Standard Form:

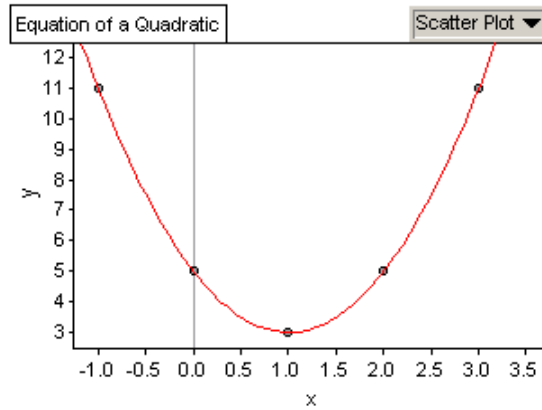
$$y = ax^2 + bx + c$$

Example:

Use a table of values to graph $y = 2x^2 - 4x + 5$. Use your graph to find the vertex of the parabola.

Solution:

Equation of a Quadratic		
	x	y
1	-1	11
2	0	5
3	1	3
4	2	5
5	3	11



The vertex is at (1, 3).