

1. <b>Axis of Symmetry</b>	Divides the parabola into mirror images and passes through the vertex, $x = -b/2a$
2. <b>Discriminant</b>	In the Quadratic Formula, the expression under the radical sign, $b^2 - 4ac$ .
3. <b>Maximum</b>	The highest point on the graph of a curve, such as the vertex of a parabola that opens downward.
4. <b>Minimum</b>	The lowest point on the graph of a curve, such as the vertex of a parabola that opens upward.
5. <b>Parabola</b>	U shape made by a quadratic function.
6. <b>Quadratic Equation</b>	An equation that can be written in the standard form $y=ax^2+bx+c=0$ where $a \neq 0$ .
7. <b>Quadratic Formula</b>	$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$
8. <b>Quadratic Function</b>	A function that can be written in the form $f(x) = ax^2 + bx + c$ , where $a \neq 0$ .
9. <b>Quadratic Parent Function</b>	The simplest quadratic function. $f(x) = x^2$
10. <b>Root of the Equation</b>	A solution of an equation.
11. <b>Standard Form of a Quadratic Equation</b>	$y = ax^2 + bx + c$ ; shows the y intercept of a parabola.
12. <b>Standard Form of a Quadratic Function</b>	$f(x) = ax^2 + bx + c$ ; shows the y intercept of a parabola.
13. <b>Vertex</b>	The maximum or minimum point of a parabola.
14. <b>Zero of a Function</b>	A solution of the equation $f(x) = 0$ is a zero of the function $f$ or a root of the equation.
15. <b>Zero-Product Property</b>	For all real numbers $a$ and $b$ , if $ab=0$ , then $a=0$ or $b=0$ .