

Grade/ Course	Descriptor	Formula
Algebra I	Quadratic Formula	Given: $ax^2 + bx + c = 0$, $x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$
Algebra I	Average Rate of Change	Given $y = f(x)$, $\frac{\Delta y}{\Delta x}$ over the interval $[a, b]$ is $\frac{f(b) - f(a)}{b - a}$ $m = \frac{y_2 - y_1}{x_2 - x_1}$
Algebra I	Point Slope Form	$y - y_1 = m(x - x_1)$
Algebra I	Quadratic Vertex Form	$y = (x - p)^2 + q$
Algebra I	Vertex Coordinate	$\frac{-b}{2a}$