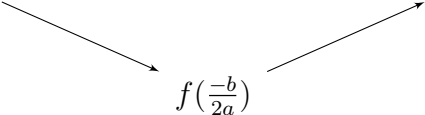


x	$-\infty$ $\frac{-b}{2a}$ $+\infty$
$f(x) =$ $ax^2 + bx + c$	 <p>Diagram illustrating the function $f(x) = ax^2 + bx + c$ and its vertex $f\left(\frac{-b}{2a}\right)$. The vertex is shown as a point on the parabola, with arrows indicating the direction of the function's values as x approaches $-\infty$ and $+\infty$.</p>