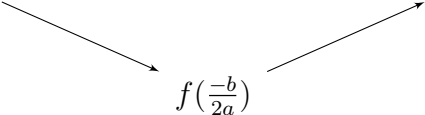


x	$-\infty$ $\frac{-b}{2a}$ $+\infty$
$f(x) =$ $ax^2 + bx + c$	 <p>The diagram illustrates the behavior of a quadratic function $f(x) = ax^2 + bx + c$ as x approaches positive or negative infinity. Two arrows originate from the $-\infty$ and $+\infty$ labels on the top row and point towards the vertex label $f(\frac{-b}{2a})$ on the bottom row, indicating that the function values approach a minimum at the vertex.</p> $f(\frac{-b}{2a})$