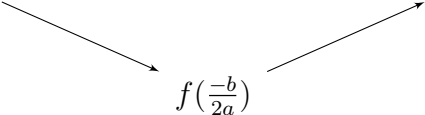


x	$-\infty$ $\frac{-b}{2a}$ $+\infty$
$f(x) =$ $ax^2 + bx + c$	 <p>The diagram illustrates the behavior of a quadratic function $f(x) = ax^2 + bx + c$ for different values of x. It shows a parabola opening upwards, with its vertex at $x = \frac{-b}{2a}$. Arrows point from the vertex to the labels $-\infty$ and $+\infty$ on the x-axis, indicating the range of x values.</p>