

Funksjonsverdi

Ekstremalpunkt

Ekstremalverdi

The diagram illustrates the components of the vertex form of a quadratic function,  $f(x) = a(x - x_0)^2 + y_0$ . It features three labels at the top with arrows pointing to specific parts of the equation: 'Funksjonsverdi' (black) points to  $f(x)$ , 'Ekstremalpunkt' (red) points to  $x_0$ , and 'Ekstremalverdi' (red) points to  $y_0$ . At the bottom, 'Ledende koeffisient' (blue) points to  $a$ , and 'Symmetrilinje' (red) points to the vertical line passing through  $x_0$ .

$$f(x) = a(x - x_0)^2 + y_0$$

Ledende koeffisient

Symmetrilinje