

Funksjonsverdi

Ekstremalpunkt

The diagram illustrates the components of the vertex form of a quadratic function, $f(x) = a(x - x_1)^2 + y_1$. It features three labels with arrows pointing to specific parts of the equation: 'Funksjonsverdi' (Function value) points to $f(x)$; 'Ekstremalpunkt' (Extremum point) points to the vertex coordinates x_1 and y_1 ; and 'Ledende koeffisient' (Leading coefficient) points to a . The terms are highlighted in colored boxes: $f(x)$ is in a grey box, a is in a blue box, and x_1 and y_1 are in red boxes.

$$f(x) = a(x - x_1)^2 + y_1$$

Ledende koeffisient