

Funksjonsverdi

Ekstremalpunkt

The diagram shows the vertex form of a quadratic function: $f(x) = a(x - x_1)^2 + y_1$. The components are highlighted with colored boxes: $f(x)$ is in a grey box, a is in a blue box, x_1 is in a red box, and y_1 is in a red box. Arrows indicate the following relationships: a black arrow from 'Funksjonsverdi' to $f(x)$; a blue arrow from 'Ledende koeffisient' to a ; a red arrow from 'Ekstremalpunkt' to x_1 ; and another red arrow from 'Ekstremalpunkt' to y_1 . A red line labeled 'Symmetrilinje' is also shown at the bottom right.

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

Ledende koeffisient

Symmetrilinje