






Graph of a Linear Function

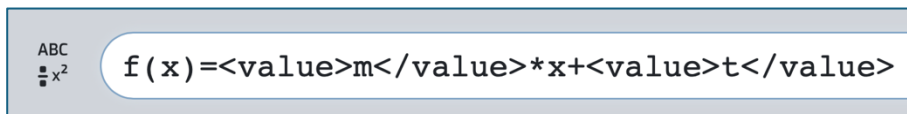
Prerequisites and Objectives

- ▶ The students know linear equations of the form $f(x) = m \cdot x + t$.
- ▶ The students should experimentally explore the effect and geometric meaning of the parameters m and t .
- ▶ They learn the terms y-intercept and slope.

sketchometry

The students should know,

- ▶ how to use the tools
 - ▶  *Slider*,
 - ▶ $f(x)$ *Function graph* and
 - ▶  *Text*,
- ▶ how to show grid  and coordinate system 
(choose tool *Properties* and )
- ▶ how to make the text input dynamic using <value>:



The screenshot shows a text input field in the sketchometry software. On the left, there is a small icon with 'ABC' and 'x²'. The input field contains the formula $f(x) = \text{<value>m</value>*x + \text{<value>t</value>}$.

- ▶ how to generate a slope triangle.

