

Math Document

Mat L.

In this first section, we are setting the delimiter for in line math, and then we are defining the quadratic formula in the variable *quad*. Here is the equation for a line.

$$y = mx + b$$

Here is the quadratic formula. Notice that we just had to call our predefined variable.

$$x = \frac{-b \pm (b^2 - 4ac)^{\frac{1}{2}}}{2a}.$$

Here is an example of us using a sum in the equation for calculating the mean.

$$\bar{x} = \frac{1}{n} \cdot \sum_{i=1}^n x_i$$

Below is some of the Greek alphabet. Notice that we can typeset both upper and lower case characters.

K, κ, E, ε, O, o, Π, π, Σ, σ, B, β, A, α

Definition. A sequence s_n is said to converge to some $s \in \mathbf{R}$ if $\forall \varepsilon > 0, \exists N \in \mathbf{N}$ such that $\forall n \in \mathbf{N}$

$$n \geq N \Rightarrow |s_n - s| < \varepsilon.$$