

LaTeX (more precisely, KaTeX) is a bit different and a bit weird in the RocketChat channels. There are **two** ways you can use it:

1. In the **inline mode** which prints the expressions/equations in the same line as the text.
Inline expressions should be *written in the same line as the main text and wrapped in $\backslash(\dots \backslash)$* , where ... denotes the LaTeX expression.

For example, to write the message,

| This is an example of an inline expression: $x = 42$.

you should write

This is an example of an inline expression: $\backslash(x = 42\backslash)$.

in the message field, i.e., like so:

 This is an example of an inline expression: $\backslash(x = 42\backslash)$. 

2. In the **equation mode** which prints the expression/equations in a *separate line* and centered.
Equation expressions should be *written in a separate line* (use Shift + Enter) and *wrapped in $\backslash[\dots \backslash]$* , where ... denotes the LaTeX expression.

This is an example of a full equation:

$$x = 42.$$

For example, to write the message,
you should write

**This is an example of an inline expression:
 $\backslash[x = 42.\backslash]$**

in the message field, i.e., like so:

 This is an example of a full equation:
 $\backslash[x = 42.\backslash]$ 

