

# Global Young — My first LaTeX document

✉ <https://www.youtube.com/c/GlobalYoung7/> ytok1108@gmail.com  
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We have now added a title, author and date to our first  $\text{\LaTeX}$  document!

## Big Contered Text

$$1 + 2 + 3 + \cdots + 10 = \sum_{n=1}^{10} n$$

## Sigma Sum

### First example

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The well-known Pythagorean theorem  $x^2 + y^2 = z^2$  was proved to be invalid for other exponents, meaning the next equation has no integer solutions for  $n > 2$ :

$$x^n + y^n = z^n$$

### Second example

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This is a simple math expression  $\sqrt{x^2 + 1}$  inside text. And this is also the same:  $\sqrt{x^2 + 1}$  but by using another command.

This is a simple math expression without numbering

$$\sqrt{x^2 + 1}$$

separated from text.

This is also the same:

$$\sqrt{x^2 + 1}$$

...and this:

$$\sqrt{x^2 + 1}$$