Learn LaTeX in Y Minutes!

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Contents

Abstract

LaTeX documentation written as LaTeX! How novel and totally not my idea!

1 Introduction

Hello, my name is Colton and together we're going to explore LaTeX!

2 Another section

This is the text for another section. I think it needs a subsection.

2.1 This is a subsection

I think we need another one

2.1.1 Pythagoras

Much better now.

This is an unnumbered section

3 Some Text notes

LaTeX is generally pretty good about placing text where it should go. If a line
needs
to
break
you add \\ to the source code.

4 Lists

Lists are one of the easiest things to create in LaTeX! I need to go shopping tomorrow, so let's make a grocery list.

1. Salad.
2. 27 watermelon.
3. A single jackrabbit.

how many? Medium sized squirt guns.

Not a list item, but still part of the enumerate.

5 Math

LaTeX

x X $\forall$ x $\in$ X.

$$a^2 + b^2 = c^2$$

My favorite Greek letter is ξ. I also like β, γ and σ. I haven't found a Greek letter yet that LaTeX doesn't know about!

trigonometric functions (sin, cos, tan), logarithms exponentials (log, exp), limits (lim), etc. LaTeX $\cos(2\theta) = \cos^2(\theta) - \sin^2(\theta)$

$$^{10}/_{7}$$

$$\frac{n!}{k!(n-k)!}$$

equations “equation environment”

$$c^2 = a^2 + b^2. \tag{1}$$

Eqn. **??** is also known as the Pythagoras Theorem which is also the subject of Sec. **??**. A lot of things can be labeled: figures, equations, sections, etc.

Summations Integrals sum int

$$\sum_{i=0}^{5} f_i \tag{2}$$

$$\int_0^\infty \mathrm{e}^{-x}\mathrm{d}x \tag{3}$$

6 Figures

Figure 1: Right triangle with sides a, b, c

6.1 Table

Table 1: Caption for the Table.

Number	Last Name	First Name
1	Biggus	Dickus
2	Monty	Python

7 Getting LaTeX to not compile something (i.e. Source Code)

LaTeX LaTeX verbatim environment

```
print("Hello World!")
a%b; %         %
random = 4; #decided by fair random dice roll
```

8 Compiling

LaTeX pdf ( )
LaTeX

1. Write the document in plain text (the "source code").
2. Compile source code to produce a pdf. The compilation step looks like this (in Linux):

```
> pdflatex learn-latex.tex
```

LaTeX 1 2 1 2 2 [1].
1 2 1

9 Hyperlinks

```
\usepackage{hyperref}
```

`https://learnxinyminutes.com/docs/latex/` shadowed by text
PDF

10 End

[1] (Eqn. ??) 2 *.aux

References

[1] The amazing LaTeX wikibook: *https://en.wikibooks.org/wiki/LaTeX*

[2] An actual tutorial: *http://www.latex-tutorial.com*