My first LaTeX document

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Hello **world**, *here* is my `first` document!

tiny scriptsize small normalsize large Large LARGE huge Huge

1. number 1
   (a) subitem number 1.1
2. number 2
42. the answer

Subscript K_i or E_{el}, superscript x^2 or x^{12} and both x_o^{10}.

$$
\begin{aligned}
0 &= 3x^3 + 3x^2 - 6x && (1)\\
&= 3(x^3 + x^2 - 2x) && (2)\\
&= 3x(x^2 + x - 2) && (3)\\
&= 3x(x+2)(x-1) && (4)\\
&\therefore && (5)\\
x &= 0, -2, 1 && (6)\\
& && (7)
\end{aligned}
$$

bmatrix: $\begin{bmatrix} 1 & 2 & 3 \\ a & b & c \end{bmatrix}$ pmatrix: $\begin{pmatrix} 1 & 2 & 3 \\ a & b & c \end{pmatrix}$ vmatrix: $\begin{vmatrix} 1 & 2 & 3 \\ a & b & c \end{vmatrix}$

Some fractions: $\frac{x^2}{x^3} = \frac{1}{x^2}$, an square root: $\sqrt[3]{15}$, an highlighted integral:

$$\int_a^b f(x) \pm \sqrt{50} dx$$

and now a sin: $\text{sen}(\frac{\pi}{2}) = 1$ ou $\text{sen}(\frac{\pi}{2})$
Alguns símbolos: $\forall x, \exists y \in \mathbb{Z} : x \geqslant y$ and $x \leqslant y^2$
$\forall z, \nexists y \in R \cap T : (x, y) \subseteq R \cup T$
$\forall \delta, \exists \varepsilon \leqslant |\delta - x| \to +\infty \iff \varepsilon > 0$
$\bar{x} \quad \vec{x} \quad x' \quad \neg \quad \preceq \quad \npreceq \quad \neq \quad \equiv \quad \simeq \quad \gg \quad \ll \quad \sim$
$\lim_{x \to 0} \cos x = 1$

$$\boxed{\sum_{i=0}^{n} = \binom{i}{n} a^{n-i} b^i}$$

Dia	Temp. Mín.	Temp. Máx	Resumo
Segunda	22°C	28°C	Dia nublado com diversas pancadas de chuva;
Terça	25°C	32°C	Manhã nublada abrindo o sol à tarde. Pequenos períodos de chuvas esparsas pela manhã;
Quarta	28°C	37°C	Dia de sol com pancadas de chuva ao anoitecer;

LaTeX (manual)

$$x = \frac{-2 \pm \sqrt{2^2 - 4 \cdot 1 \cdot 3}}{2 \cdot 1}$$