greek letters:

$$\pi \approx 3.1415$$

$$\alpha + \beta$$

$$\varepsilon > 0$$

trigonometric functions:

$$\sin^2 x + \cos^2 x = 1$$

$$\tan x = \frac{\sin x}{\cos x}$$

log functions:

$$\log x$$

$$\log_2 x$$

$$\ln x$$

square root:

$$\varphi = \frac{1 + \sqrt{5}}{2}$$

$$\sqrt[3]{8} = 2$$

About $\frac{2}{3}$ of LaTeX is fun. There is a problem with brackets that you can solve with escape $\{a, b, c\}$. Other types of problems are the small brackets. $3\left(\frac{2}{3}\right) = 2$.

$$|x| = \begin{cases} x, & \text{se } x \geq 0 \\ -x, & x < 0 \end{cases}$$

$$\begin{aligned} x^2 + x - 4 &= x \\ x^2 &= 4 \\ x &= \pm 2 \end{aligned}$$