Superscript

$$2x^3$$

$$2x^{34}$$

$$2x^{3x^4+5}$$

Subscript

$$x_1$$

$$x_{12}$$

$$x_{1_2}$$

$$x_{1_{2_3}}$$

$$a_0, a_1, a_2, \ldots, a_{100}$$

Greek Letters

$$\pi$$

$$\Pi$$

$$\alpha$$

$$A = \pi r^2$$

Trigonometric functions

$$y = \sin x$$

$$y = \csc \theta$$

$$y = \sin^{-1} x$$

Log functions

$$y = \log x$$

$$y = \log_5 x$$

Roots

$$\sqrt[3]{2x+3}$$

Fractions

$$\frac{2}{2x+3}$$

About $\frac{2}{3}$ of the glass is full

About $\frac{4}{5}$ of the glass is also full