

Superscripts:

$$2x^3$$

$$2x^34$$

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

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

Subscripts:

$$x_1$$

$$x_{12}$$

$$x_{12}$$

$$x_{123}$$

Greek Letters:

$$\pi$$

$$\alpha$$

$$A = \pi r^2$$

Trig Functions:

$$y = \sin(x)$$

Log Functions:

$$y = \log(x)$$

$$y = \log_5(x)$$

Square Roots:

$$\sqrt{2}$$

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

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

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

$$\sqrt[3]{1 + \sqrt{x}}$$

Fractions: About 2/3 of the glass is full.

About $\frac{1}{3}$ of the glass is full.

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

$$\frac{x}{\sqrt[4]{x^2+x+1}}$$

$$\frac{\sqrt{x+1}}{\sqrt{x-1}}$$

$$\frac{1}{1+\frac{1}{x}}$$

$$\sqrt[3]{\frac{x}{x^2+x+1}}$$