

superscript:

$$2x^{34}$$

subscript :

$$x_2$$

greek letters:

$$\pi$$

$$\alpha$$

trig functions :

$$y = \sin(x)$$

log functions :

$$\log(x)$$

$$\ln(x)$$

$$\log_2(x)$$

square roots

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

fractions : this is  $\frac{5}{77}$  lala