

superscripts: $2x^3$ — inline math mode

$$2x^{34}$$

— displayed math mode

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

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

subscripts:

$$s_{AC} = -distancebetweenAC$$

$$x_{1_2_3}$$

$$a_1, a_{2,3}, \dots$$

– \ldots put 3 dots lower case
Greek letter

$$\pi$$

$$\Pi$$

$$\alpha$$

$$\beta$$

$$\rho$$

Trig functions

$$\sin$$

$$\cos$$

$$\tan$$

$$\csc$$

$$\arcsin$$

log function

$$y = \log_2 x$$

$$\ln x$$

roots

$$\sqrt[4]{2x+5}$$

$$\textbf{Escape velocity} = \sqrt{2gR}$$

yo

Wagwan