$$\sqrt{\frac{2^n}{2_n}} \neq \sqrt[\frac{1}{3}]{1+n}$$

$$\frac{2^k}{2^{k+2}}$$

$$\frac{x^2}{2^{(x+2)(x-2)^3}}$$

$$\log{}_2 2^8 = 8$$

$$\sqrt[3]{e^x - \log{}_2 x}$$

$$\lim_{n\to\infty} \sum_{k=1}^{n} \frac{1}{k^2} = \frac{\pi^2}{6}$$

$$\int_2^\infty \frac{1}{\log_2 x} dx = \frac{1}{x} \sin x = 1 - \cos^2(x)$$

$$\mathbf{X} = \left[\begin{array}{cccc} a_{11} & a_{12} & \ldots & a_{1K} \\ a_{21} & a_{22} & \ldots & a_{2K} \\ \vdots & \vdots & \ddots & \vdots \\ a_{K1} & a_{K2} & \ldots & a_{KK} \end{array} \right] * \left[\begin{array}{c} x_1 \\ x_2 \\ \vdots \\ x_K \end{array} \right] = \left[\begin{array}{c} b_1 \\ b_2 \\ \vdots \\ b_K \end{array} \right]$$