

Math

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math in equation tags

$$1 + 2 = 3$$

math with annotations

$$A + B = C \Rightarrow A = C - B \tag{1}$$

aligned equations

$$\begin{aligned} 1 + 2 &= 3 \\ 1 &= 3 - 2 \end{aligned}$$

exponentiation, fractions, integrals

$$\begin{aligned} f(x) &= x^2 \\ g(x) &= \frac{1}{x} \\ F(x) &= \int_b^a \frac{1}{3} x^3 \end{aligned}$$

scaling brackets and parenthesis

$$\begin{bmatrix} 1 & 0 \\ 0 & 1 \end{bmatrix} \tag{2}$$

$$\left(\frac{1}{\sqrt{x}} \right) \tag{3}$$