Let us make a formula here: $f(x) = x^2$ is an example.
Let's see some formulas, equations and how to align them:

$$1 + 2 = 3$$

$$1 = 3 - 2$$

$$1 + 2 = 3$$
$$1 = 3 - 2$$

$$f(x) = x^2$$
$$g(x) = \frac{1}{x}$$
$$F(x) = \int_b^a \frac{1}{3} x^3$$
$$\frac{1}{\sqrt{x}}$$

$$\begin{matrix} 1 & 0 \\ 0 & 1 \end{matrix}$$

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

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

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