

$$x^2 + b^2 + 2ab$$

$$\begin{bmatrix} 3 & 5 & 9 \\ 3 & 5 & 9 \end{bmatrix}$$

$$ax^2 + vb^2 = abx^2 \tag{1}$$

$$x^2 + b^2 = bx^2 \tag{2}$$

the formula of

$$[(a+b)^2]$$

This is a simple math expression  $\sqrt{x^2 + 1}$  inside text. And this is also the same:  $\sqrt{x^2 + 1}$  but by using another command. This is a simple math expression without numbering

$$\sqrt{x^2 + 1}$$

separated from text. This is also the same:

$$\sqrt{x^2 + 1}$$

$$f(x) = x^2 \tag{3}$$

$$g(x) = \frac{1}{x} \tag{4}$$

$$g(x) = \int_o^x e^{-t^2} dt \tag{5}$$

$$F(x) = \int_b^a \frac{1}{3} x^3 dt \tag{6}$$