

Brackets:

The distributive property states that $a(b + c) = ab + ac$, for all $a, b, c \in \mathbb{R}$.

The equivalence class of a is $[a]$.

The set A is defined to be $\{1, 2, 3\}$.

The movie ticket costs \$11.50.

$$2\left(\frac{1}{x^2-1}\right)$$

$$2\left[\frac{1}{x^2-1}\right]$$

$$2\left\{\frac{1}{x^2-1}\right\}$$

$$2\left\langle\frac{1}{x^2-1}\right\rangle$$

$$2\left|\frac{1}{x^2-1}\right|$$

$$\left.\frac{dy}{dx}\right|_{x=1}$$

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

Tables:

x	1	2	3	4	5
$f(x)$	10	11	12	13	14

;

x	1	2	3	4	5
$f(x)$	$\frac{1}{2}$	11	12	13	14

Table 1: These values represent the function $f(x)$.

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Table 2: The relationship between f and f' .

$f(x)$	$f'(x)$
$x > 0$	The function $f(x)$ is increasing. The function $f(x)$ is increasing. The function $f(x)$ is increasing. The function $f(x)$ is increasing. The function $f(x)$ is increasing.

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Arrays:

It is automatically in mathmode in the align environment (1)

Spaces are ignored in mathmode. To add spaces use \, (2)

$$5\,x^2 - 9 = x + 3 \quad (3)$$

$$5x^2 - x - 12 = 0 \quad (4)$$

$$\begin{aligned} 5x^2 - 9 &= x + 3 \\ 5x^2 - x - 12 &= 0 \\ &= 12 + x - 5x^2 \end{aligned}$$

$$5x^2 - 9 = x + 3 \quad (5)$$

$$5x^2 - x - 12 = 0 \quad (6)$$