

1 Special Symbols

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 \$10 USD.

2 Parentheses

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

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

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

$$\frac{dy}{dx}\Big|_{x=1}$$

$$\frac{dy}{dx}\Big|_{x=1}$$

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

3 Tables

x	2	4	6	8	10
$f(x)$	10	11	12	13	14

x	2	4	6	8	10
$f(x)$	$\frac{1}{2}$	11	12	13	14

Table 1: Something.

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

Table 2: Something else.

$f(x)$	$f'(x)$
$x > 0$	The function $f(x)$ is increasing and we have a lot of text here. Damn it! It does not fit in the page!

Table 3: Something else.

4 Equation Arrays

$$5x^2 - 9 = x + 3 \tag{1}$$

$$5x^2 - x - 12 = 0 \tag{2}$$

$$5x^2 - 9 = x + 3$$

$$5x^2 - x - 12 = 0$$

$$= 12 + x - 5^x 2$$

$$5x^2 - 9 = x + 3 \tag{3}$$

$$5x^2 - x - 12 = 0 \tag{4}$$

$$= 12 + x - 5^x 2 \tag{5}$$