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LATEX demo

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Graph $y = \frac{x}{3x^2 + x + 1}$ Something unimportant the set of natural numbers is denoted by $\mathbb N$ the set of Integers is denoted by $\mathbb Z$ the set of real number is denoted by $\mathbb R$ This is Bo Li





Mention about the image file type Suppose we are given a rectangle with side lengths (x + 1) and (x + 3) superscript: $2x^3$,next line:

 $2x^{34}$

 $2x^{3x+4}$

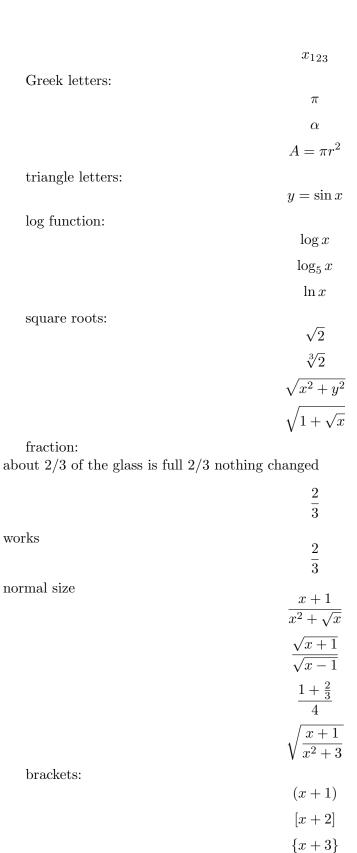
 $2x^{3x^2+4}$

subscript:

 x_1

 x_{21}

 x_{12}



\$12.55

 $3(\frac{2}{3})$

parameters too small

$$3\left(\frac{2}{3}\right)$$

$$3\left[\frac{2}{3}\right]$$

$$3\left\{\frac{2}{3}\right\}$$

$$|x|$$

$$\left|\frac{x}{2+1}\right|$$

$$\left\{x^{2}\right\}$$

missing right curly parameter by using dot.

$$\left. \begin{cases} x^2 \\ \left| \frac{dy}{dx} \right|_{x+1} \\ \left| \frac{dy}{dx} \right|_{x+1} \end{cases}$$

table:

x	1	2	3	4	5	6
f(x)	11	12	13	14	15	16
\overline{x}	1	2	3	4	5	6
f(x)	11	12	13	14	15	16
x	1	2	3	4	5	6
f(x)	11	12	13	14	15	16

equation array with (sequence number)

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

$$x^4 = 4 + x \tag{2}$$

$$x + 4 = 3 \tag{3}$$

$$x \approx \pm 1.123 \tag{4}$$

equation array without sequence number

$$5x^{2} - 9 = x + 3$$
$$x^{4} = 4 + x$$
$$x + 4 = 3$$
$$x \approx \pm 1.123$$

equation array with sequence number and align by "="

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

$$x^4 = 4 + x \tag{6}$$

$$x+4 = 3 \tag{7}$$

$$x \approx \pm 1.123 \tag{8}$$

list:

- 1. pencil
- 2. calculator
- 3. ruler
- 4. notebook
 - (a) assessments
 - i. quizzes
 - ii. tests
 - (b) homework
 - (c) notes $\sigma\theta$
- 5. graph paper
- pencil
- calculator
- ruler
- \bullet notebook
 - assessments
 - * quizzes
 - * tests
 - homework
 - notes $\sigma\theta$
- graph paper

label right justified:

Commutative a + b = b + a

Associative a + (b + c) = (a + b) + c

Distributive a(b+c) = ab + ac

```
This will produce italicized text

This will produce bold-faced text

This will produce SMALL CAPS text

This will produce typewriter font

Please will my github at http://www.github.com/RichardChangCA.

please call me Lingfeng Zhang

please call me Lingfeng Zhang --> large

please call me Lingfeng Zhang --> huge

please call me Lingfeng Zhang --> huge

please call me Lingfeng Zhang --> small

please call me Lingfeng Zhang --> small

please call me Lingfeng Zhang --> tiny
```

This is center

this is left justified

1 Linear functions

- 1.1 matrix
- 1.2 vector
- 1.3 space

2 Quadratic functions

2.1 Standard form

Using structure and click these icons ∇ II \odot