

# TI-30XS MultiView™ / TI-30XB MultiView™

All examples are in MathPrint™ mode, unless otherwise indicated.

A detailed Teacher Guide with activities is available at [education.ti.com/guides](http://education.ti.com/guides).

**History screen:** After an expression is evaluated, press  $\uparrow$  and  $\downarrow$  to scroll previous entries. Press **enter** to copy and paste a history expression to a new line.

**Menus:** Use  $\uparrow$ ,  $\downarrow$ ,  $\leftarrow$ , and  $\rightarrow$  to select options.

**Mode:** Choose modes from **[mode]**. Use  $\uparrow$ ,  $\downarrow$ ,  $\leftarrow$ , and  $\rightarrow$  to highlight a mode, and **enter** to select. Press **[2nd][quit]** or **[clear]** to exit the mode menu. Default settings shown below.



**Classic and MathPrint modes:** Classic mode displays inputs and outputs in a single line. MathPrint mode displays most inputs and outputs in textbook format.

## Fractions

3 **[2nd][U $\frac{\square}{\square}$ ]** 1  $\downarrow$  2  $\rightarrow$  **[+]** 3 **[ $\frac{\square}{\square}$ ]** 4 **enter**       $3\frac{1}{2} + \frac{3}{4}$        $\frac{17}{4}$

**[2nd][ $\frac{\square}{\square}$ ]**  $\leftarrow$  **[ $\frac{\square}{\square}$ ]** **enter**       $\frac{17}{4} \rightarrow$  n/d  $\leftrightarrow$  Un/d       $4\frac{1}{4}$

**$\leftarrow$**        $4\frac{1}{4} \leftrightarrow$       4.25

## Square root

**[2nd][ $\sqrt{\square}$ ]** 5 **enter**       $\sqrt{5}$        $\sqrt{5}$

**$\leftarrow$**        $\sqrt{5} \leftrightarrow$       2.236067978

## Trigonometry (Radian mode)

**[mode]**  $\rightarrow$  **enter** **[2nd][quit]** **[2nd][tan $^{-1}$ ]** 1 **)** **enter**       $\tan^{-1}(1)$       0.785398163

**$\leftarrow$**        $0.785398163975 \leftrightarrow$        $\frac{\pi}{4}$

## Scientific notation

**[mode]**  $\downarrow$   $\rightarrow$  **enter** **[2nd][quit]** 1234 **enter**      1234       $1.234 \times 10^3$

**[ $\times 10^{\square}$ ]** **key:** Displays  $\times 10^{\square}$ , allowing you to enter a number with powers of 10.

**[mode]**  $\downarrow$  **enter** 2 **[ $\times 10^{\square}$ ]** 5 **enter**       $2 \times 10^5$       200000

$x^{yzt}$  key: Press this key multiple times to display x, y, z, t, a, b, or c. In this example, z=2.

2  $\text{sto} \rightarrow$   $x^{yzt}$   $x^{yzt}$   $x^{yzt}$  **enter**

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

3z+4

10

### Clearing and Editing:

**clear** Clears entry line or error message.

**delete** Deletes the character at the cursor.

**2nd**[insert] Inserts a character at the cursor.

Clearing data Press **data** **data** 4.

**on** & **clear** Resets default and memory immediately.

**2nd**[reset] Resets default and memory with prompt.

### Table

**table** 2  $\frac{a}{d}$  3  $\rightarrow$   $x^{yzt}$   $+$  1  $\frac{a}{d}$  3 **enter**

$$y = \frac{2}{3}x + \frac{1}{3}$$

**(-)** 1  $\downarrow$  1  $\downarrow$  **enter**

Start=-1  
Step=1  
**TABLE** Ask-x **OK**

| x  | y    |
|----|------|
| -1 | -1/3 |
| 0  | 1/3  |
| 1  | 1    |

x=-1

### Data editor and list formulas

L1 data: **data** 1  $\frac{a}{d}$  4  $\downarrow$  2  $\frac{a}{d}$  4  $\downarrow$  3  $\frac{a}{d}$  4  $\downarrow$  4  $\frac{a}{d}$  4 **enter**

Place cursor in L2:  $\rightarrow$

Add L2 formula: **data**  $\rightarrow$  **enter** **data** **enter** **2nd**[f $\leftrightarrow$ d] **enter**

| S   | S | S |
|-----|---|---|
| 1/2 |   |   |
| 3/4 |   |   |
| 1   |   |   |

L1(S)=

| S   | S    | S |
|-----|------|---|
| 1/4 | 0.25 |   |
| 1/2 | 0.5  |   |
| 3/4 | 0.75 |   |
| 1   | 1    |   |

**2nd**[ $\frac{a}{d}$ ] = 0.25

### Statistics

Enter data in L1.

Sample data set: {85,76,93,95,88}

**2nd**[stat] 1  $\downarrow$  **enter**

**STATS**  
1:1-Var Stats  
2:2-Var Stats

1-VAR STATS  
DATA: **1** L2 L3  
FRQ: **1** L1 L2 L3  
CALC

1-Var: L1, One  
1:n=5  
2: $\bar{x}$ =87.4  
3: $S_x$ =7.503332593