

## Switching the TI-30XS MultiView calculator on

turns on the TI-30XS MultiView calculator.   turns it off. The display is  but the history, settings, and memory are retained.

The ™ (Automatic Power Down™) feature turns off the TI-30XS MultiView calculator automatically if no key is pressed for about  minutes. Press  after . The display, pending operations, settings, and memory are .

## Display contrast

The  and contrast of the display can depend on room ,  freshness, and  angle.

To adjust the contrast:

1. Press and release the  key.
2. Press  (to darken the screen) or  (to lighten the screen).

### Home screen

On the Home screen, you can enter mathematical  and  along with other instructions. The answers are displayed on the Home screen. The TI-30XS MultiView screen can display a maximum of  lines with a maximum of  characters per line.

For entries and expressions of more than 16 characters, you can scroll

and  (⏪ and ⏩) to view the entire entry or expression.

When you calculate an entry on the Home screen, depending upon space, the answer is displayed either directly to the  of the entry or on the  side of the  .

### functions

Most keys can perform  functions. The  function is indicated on the key and the  function is displayed  it. Press  to activate the secondary function of a given key. Notice that  appears as an indicator on the screen. To cancel it before entering data, press  again.

For example,  [ $\sqrt{\quad}$ ]   calculates the square root of  and returns the result, .

## Modes

[ ]

Use [ ] to choose modes. Press [ ] [ ] [ ] [ ] to choose a mode, and [ ] to select it. Press [ ] or [ ] to return to the [ ] [ ] and perform your work using the chosen mode settings.

[ ] mode settings are shown highlighted.

```

    DEG RAD GRAD
    FIX SCI ENG
    0 000 0123456789
    CLASSIC
  
```

[ ] toggle



Press the [ ] key to [ ] the display result between [ ] and [ ] answers, [ ] and [ ] and exact [ ] and [ ]

### Example

What you should see on your screen

Answer toggle	[ ] [ ] [ ] enter	
	[ ]	

answer

The most  calculated result is stored to the variable  is retained in memory, even after the TI-30XS MultiView™ calculator is turned  To  the value of **Ans**:

- Press   (**Ans**  on the screen), or
- Press any  key (, , and so forth) as the  part of an entry. **Ans** and the operator are both displayed.

**Examples**

What you should see on your display.

Ans	<input type="text"/> <input type="text"/> <input type="text"/> enter	
	<input type="text"/> enter	
	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> enter	

of operations

The TI-30XS MultiView™ calculator uses    (EOS™) to evaluate expressions. Within a priority level,  evaluates functions from  to  and in the following order.

1st	Expressions inside <input type="text"/>
2nd	Functions that need a ) and precede the argument, such as <b>sin</b> , <b>log</b> , and all <b>R • P</b> menu items.
3rd	<input type="text"/>
4th	Functions that are entered after the argument, such as <b>x<sup>2</sup></b> and angle unit modifiers.

5th	<input type="text"/> (^) and <input type="text"/> (x√).
	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>
	In MathPrint™ mode, exponentiation is evaluated from right to left. The expression $2^3 \cdot 2$ is evaluated as <input type="text"/> , with a result of <input type="text"/>
6th	<input type="text"/> (-).
7th	Permutations (nPr) and combinations (nCr).
8th	<input type="text"/> multiplication, <input type="text"/>
9th	<input type="text"/> and <input type="text"/>
10th	Conversions (n/d ↔ Un/d, F ↔ D, ▶DMS).
11th	<input type="text"/> completes all <input type="text"/> and <input type="text"/> all open <input type="text"/>

**Examples**

+ x ÷ -	<input type="text"/> enter	<div style="border: 1px solid black; height: 40px; width: 100%;"></div>
(-)	<input type="text"/> enter	<div style="border: 1px solid black; height: 40px; width: 100%;"></div>
	<input type="text"/> enter	<div style="border: 1px solid black; height: 40px; width: 100%;"></div>
()	<input type="text"/> enter	<div style="border: 1px solid black; height: 40px; width: 100%;"></div>
	<input type="text"/> enter	<div style="border: 1px solid black; height: 40px; width: 100%;"></div>
^ and x√	<input type="text"/> enter	<div style="border: 1px solid black; height: 40px; width: 100%;"></div>

### Clearing and correcting

<p>[ ]</p>	<p>[ ] an error message.                  [ ] characters on [ ] line.                  Moves the [ ] to [ ] entry in history once display is clear.                  [ ] [ ] one screen in applications.</p>
<p>[ ]</p>	<p>[ ] the character at the cursor.</p>
<p>[ ] [ ]</p>	<p>[ ] a character at the [ ]</p>
<p>[ ] [ ]</p>	<p>Clears variables [ ], [ ], [ ], [ ], [ ], and [ ]</p>
<p>[ ] [ ] [ ]                  or                  [ ] &amp; [ ]</p>	<p>[ ] the TI-30XS MultiView™ calculator. Returns unit to [ ] settings; [ ] memory [ ] pending [ ] entries in [ ] and [ ] data; clears the constant feature, K, and [ ].</p>

### Fractions

[ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]

In the MathPrint™ mode, fractions with [ ] can include [ ] keys (+, ×, etc.) and most [ ] keys (x², 2nd [%], etc.).

The TI-30XS MultiView™ calculator defaults output to  fractions. Results are automatically

- $\left[ \frac{n}{d} \right]$  enters a  fraction. Pressing  $\left[ \frac{n}{d} \right]$   or  a number can result in  behavior. Entering a number  pressing  $\left[ \frac{n}{d} \right]$  makes that number the . To enter fractions with  or , press  $\left[ \frac{n}{d} \right]$   you enter a number (in MathPrint™ mode only). In MathPrint mode, press  $\odot$  between the entry of the numerator and the denominator.

- $2^{nd} [U \frac{n}{d}]$  enters a  number. Press   between the entry of the unit and the .
- $2^{nd} \left[ \frac{n}{d} \leftrightarrow U \frac{n}{d} \right]$  converts between  numbers and  fraction form.
- $2^{nd} [f \leftrightarrow d]$  converts results between  and .

**Examples MathPrint™ mode**

n/d, U n/d	<input type="text"/> <input type="text"/> enter	<input type="text"/>
n/d $\leftrightarrow$ Un/d	<input type="text"/> enter	<input type="text"/>
F $\leftrightarrow$ D	<input type="text"/> <input type="text"/> enter	<input type="text"/>
Examples (MathPrint™ mode only)	<input type="text"/> enter	<input type="text"/>
(MathPrint mode only)	<input type="text"/> <input type="text"/> enter	<input type="text"/>

# Percentages

To perform a calculation involving a percentage, press   entering the  of the percentage.

To express a value  percentage, press    the value.

## Example

<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <b>enter</b>	<input type="text"/>
<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <b>enter</b>	<input type="text"/>

## Powers, roots and inverses

<input type="text"/>	Calculates the <input type="text"/> of a value. The TI-30XS MultiView™ calculator evaluates expressions entered with <input type="text"/> and <input type="text"/> from <input type="text"/> to <input type="text"/>
<input type="text"/>	<input type="text"/> a value to the <input type="text"/> indicated. If you insert an <input type="text"/> as the exponent, you must place it between <input type="text"/>
<input type="text"/> <input type="text"/>	Calculates the <input type="text"/> root of a <input type="text"/> value.
<input type="text"/> <input type="text"/>	Calculates the <input type="text"/> root of any <input type="text"/> value and any <input type="text"/> integer root of a <input type="text"/> value.



**Examples**

<input type="text" value="4"/> enter	
<input type="text"/> enter	
<input type="text"/> enter	
<input type="text"/> enter	
<input type="text"/> enter	
<input type="text"/> enter	

**Pi**

= 3.141592653590 for

= 3.141592654 for

**Example**

$\pi$	<input type="text"/> enter	
	<input type="text"/>	