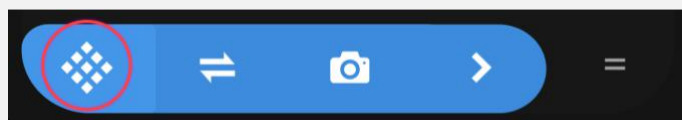
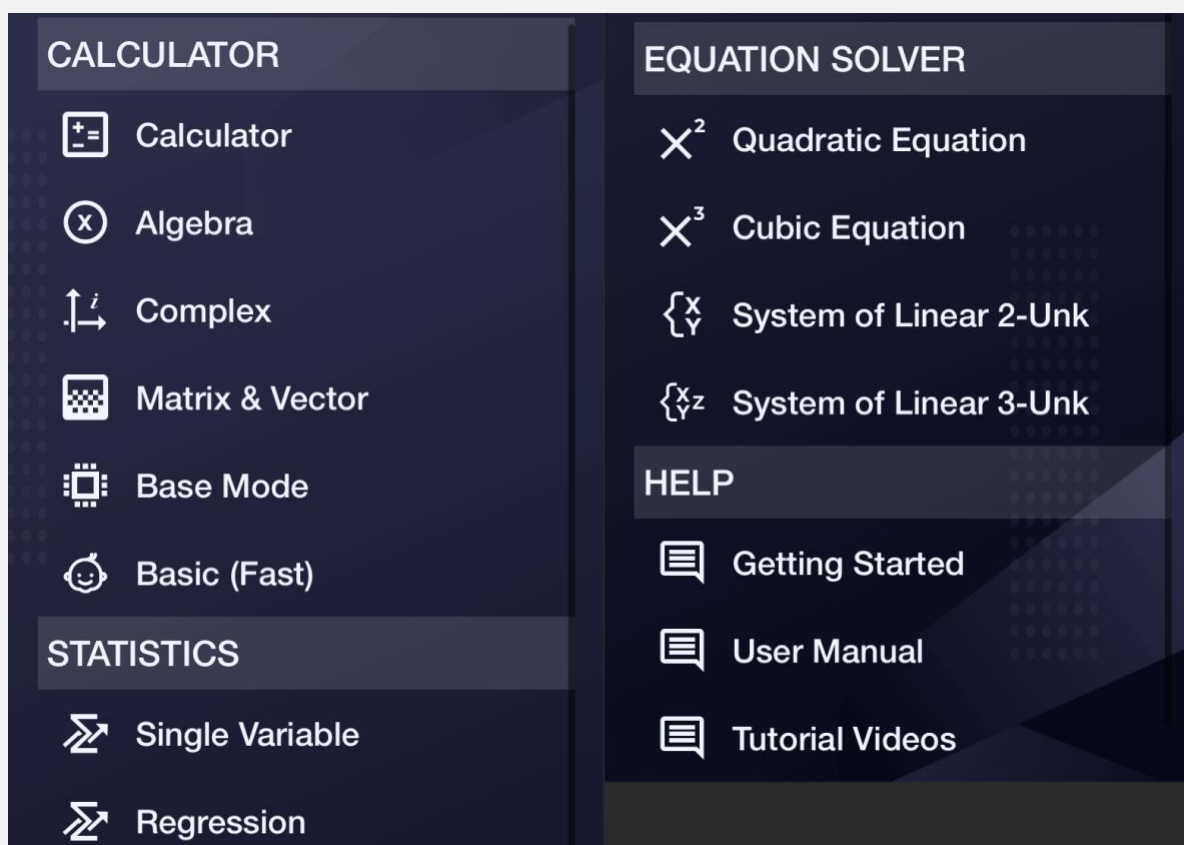




Main Menu



Press Menu Button (Red Circle)
To Open Main Menu

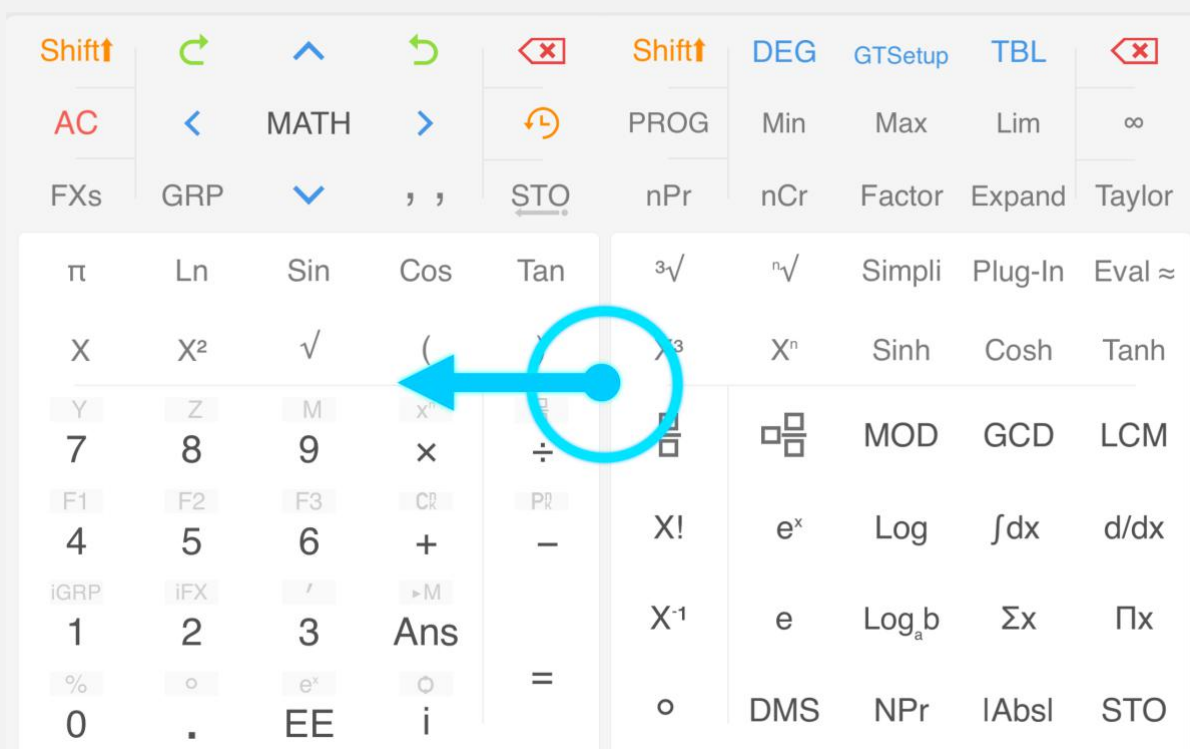


Main Menu

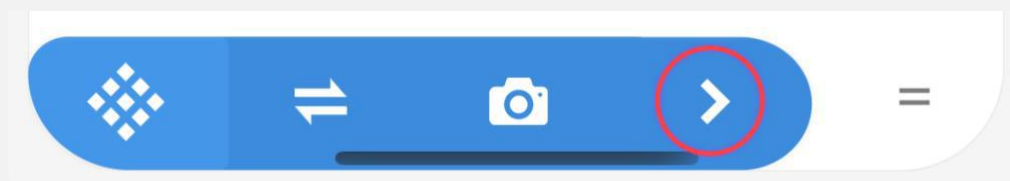


Slide Keyboard

iPhone & iPad Compact Mode



Slide Keyboard Horizontally
To Access More Functions




Press Swap Button (Red Circle)
To Access More Functions Quickly



Shift Key

Shift↑

Shift↑

Press  Followed by the Functions Key to Input 2nd Functions



Shifted-Functions



Hold-down the Key
To Input 2nd Functions Quickly

[Back](#)

MATH

[A...Z](#)[MODE](#)[TOPIC](#)[CUR-M](#)

A

1 **|Abs|**
abs(value), abs(complex value)



2 **ANDB**
Value1 ANDB Value2

[A](#)
[R](#)

[Math] contains all functions

Tab	Sort
A ... Z	Alphabet Order
MODE	Group functions by MODE
TOPIC	Group functions by Category of Calculation (Integer, Complex, Matrix...)
CUR-M	Common functions in this current mode



Expression & History

The image displays a calculator interface with several features highlighted by red boxes and lines:




- Shift↑**: A red box highlights the Shift key in the top left corner.
- Open History Expression**: A red box highlights the "Open History Expression" button, which features a circular arrow icon.
- Convert Current Result To (Mixed) Fraction / Degree**: A red box highlights the conversion function, which shows two examples:
 - $0.333 \longrightarrow 1 / 3$
 - $7.505 \longrightarrow 7^{\circ}30'18.000''$
- Display Current Result As Scientific Notation Engineering Notation BIN/OCT/HEX Form**: A red box highlights the display format options, which include Scientific Notation, Engineering Notation, and BIN/OCT/HEX Form.
- #↔□□**: A red box highlights the number notation conversion button, which features a hash symbol and two square icons.

Red lines connect these highlighted buttons to their respective functions. A line from the Shift key points to the conversion function. A line from the "Open History Expression" button points to the "Open History Expression" text. A line from the conversion function points to the "Convert Current Result To (Mixed) Fraction / Degree" text. A line from the display format options points to the "Display Current Result As Scientific Notation Engineering Notation BIN/OCT/HEX Form" text. A line from the number notation conversion button points to the "#↔□□" text.

History & Number Notation Conversion



Equation Solver

Key	Function
	Input “=” Symbol
	Solve Equation (<i>Press Normally</i>)
	Split Equation in System of Equations

Example

General Equation

ALG RAD 04:08

$$\left(5x^2 - \frac{4}{3}\right) = 3x\left(\frac{x}{2} + 5\right)$$

System of Linear Equations

ALG RAD 04:10

$$5(x + y) = 15; y = 8(7 + x)$$



Graphing / Plot

Key	Function
<div><div>FXs</div><div>OR</div><div><div>Shift↑</div><div>+</div><div>iGRP 1</div></div></div>	<div>Plot Current Equation</div> <div><i>Notice: Please Input Equation First</i></div>
<div>GRP</div>	<div>Open OXY Page</div>

OXY Page Edit & Control

Snap

TRACE 

Graph Calculation

CALC 

Screenshot & Share

SHARE 

CLOSE 



Unit Converter / Constants

Unit converter



Solving from photo

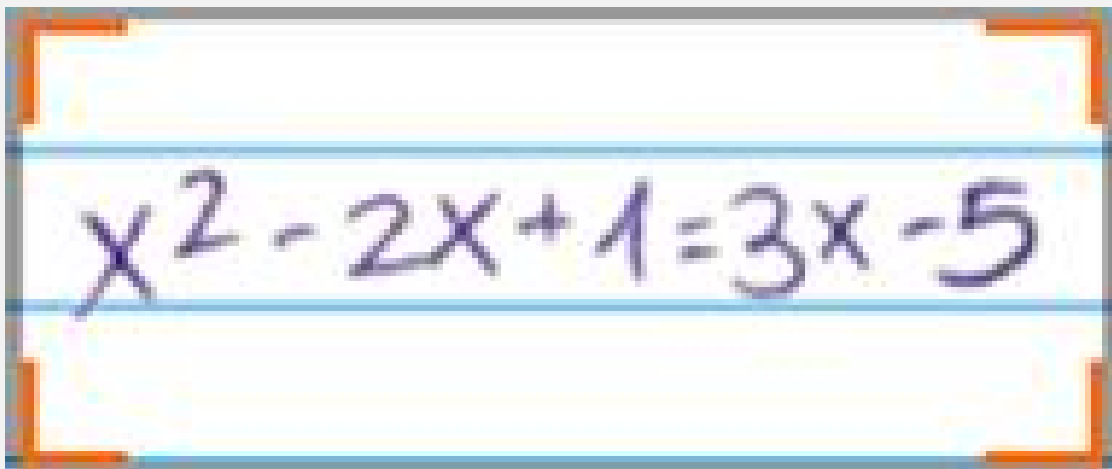
Notice: *Current Result will be use as base value in the Converter*

Constant Table

Funct	Fx	Matrix	Conv	Cons
				$a_0 = 5.291772086 \times 10^{-11} \text{ m}$ Bohr Radius
				$a_1 = 0.01438777 \text{ m} \cdot \text{K}$ Second Radiation Constant
≡				$c = 299792458 \text{ m/s}$ Speed of light in vacuum
				$e = 1.602176487 \times 10^{-19} \text{ C}$ Elementary charge
				$\epsilon_0 = 8.854187817 \times 10^{-12} \text{ F} \cdot \text{m}^{-1}$ Electric Constant



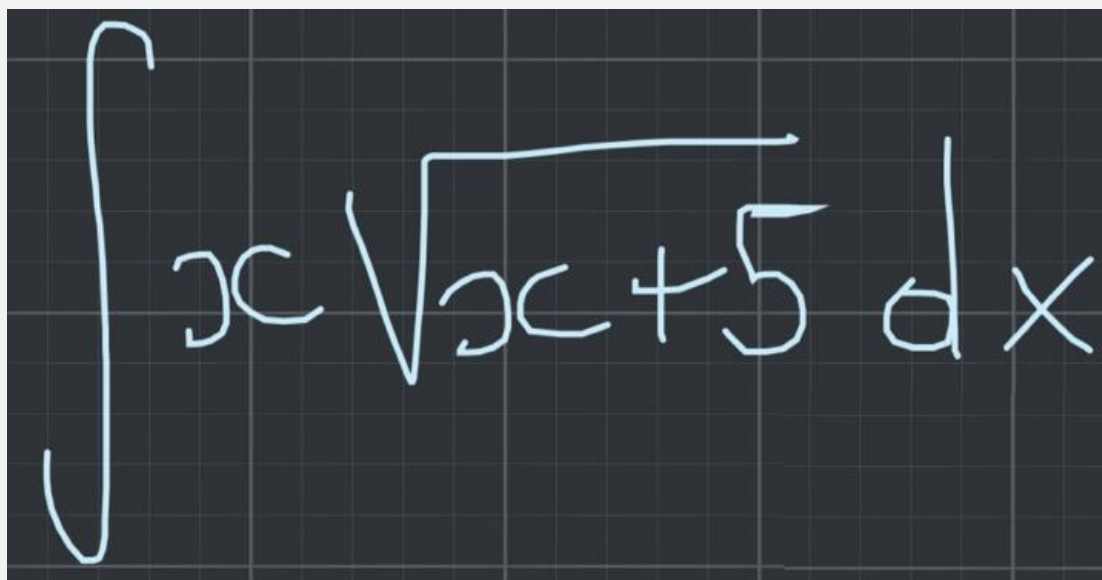
Solving from Photo


$$x^2 - 2x + 1 = 3x - 5$$



Shift↑



Handwriting Recognition


$$\int x \sqrt{x+5} dx$$




Key	Feature
 X_{i+}	Insert Current Result or Expression to Data Set
	Open Statistical Page (Mean, Sum, Median...)
N	Number of elements
\bar{x}	Average Value (Mean)
$\sum x$	Total Value (Sum)
$\sigma(x)$	Standard Deviation
$\sigma_{-1}(x)$	Standard Deviation of First N-1 Elements

Recommendation: Statistical Mode is a good way to calculate sum or average of a set of value.



Hardware Keyboard

Function	Key Press
AC	[Ctrl] + [⌫] [⊞] / [⌘]+ [⌫]
Undo	[Ctrl] / [⊞] / [⌘] + [Z]
=	
Σ (Statistic Mode)	[Ctrl] / [⌘] + [↓]
$\frac{a}{b}$	[/] [/] [Tab]
\sqrt{x}	Sqrt [Tab] [Tab]