

TI-NspireTips

esc Dismiss or deselect

ctrl esc **Undo!**

ctrl Y Redo.

ctrl ▲ Thumbnail view

Selects an object or

ctrl Grabs an object

on Access Home menu

- 1 New document
- 2 Access saved docs
- 4 Access current doc
- 5 Access the Settings

Access the Scratchpad.

Press again to toggle between a Calculator and a Graph

tab Navigate from field to field (like your computer).

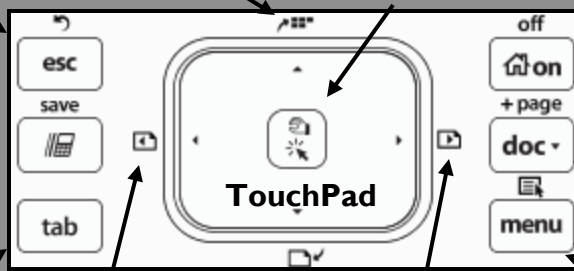
Pressing **tab** on a Graphs page opens up the entry line.

ctrl **←** Go to previous page

ctrl **→** Go to next page

ctrl **doc** **v** Add a page

menu Access commands for each applications.

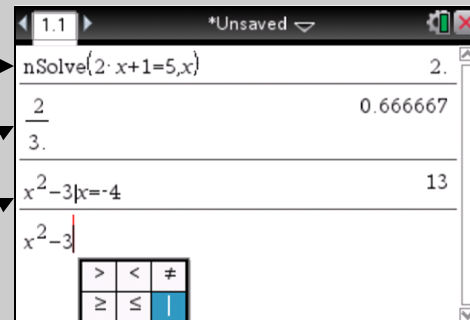


Calculator Page

ONE VARIABLE EQUATIONS: Press **menu** > Algebra > Solve. Type the equation, then type a comma and the variable you want to solve for.

FRACTION TO DECIMAL: **ctrl enter** or put decimal in expression.

PLUG VALUE INTO EXPRESSION: Type expression. Press **ctrl =** and choose the | (vertical bar), type a variable, =, then the value.

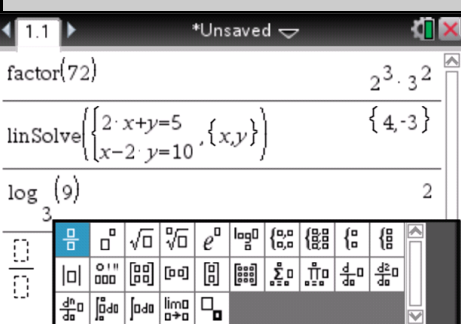


PRIME FACTOR: Press **menu** > Number > Factor, then type the number.

SYSTEM OF EQUATIONS: Press **menu** > Algebra > Solve System of Linear Equations. Choose # of variables, then type the equations.

MATH TEMPLATES: Press to access the Math Templates.

- 1st row: Fraction, exponent, sq. root, nth root, log, piecewise functions.
- 2nd row: Abs. Value, degree, matrices, sigma notation, sum, derivatives.
- 3rd row: Integrals, subscript, (the T templates are CAS only templates).

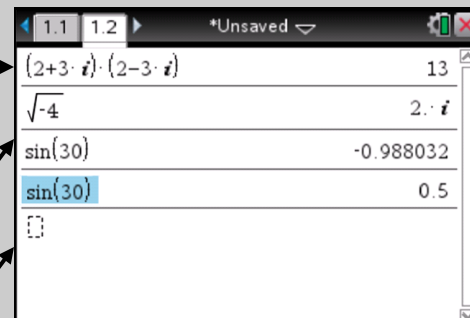


IMAGINARY NUMBERS: Press then choose the i .

Change the settings to: Press > Settings > Document Settings and change the 'Real or Complex' to Rectangular. Always 'Make Default'.

TRIG-RADIAN OR DEGREE? Press choose $\sin($ and type 30. Change mode to Degree: > Settings > Document Settings and always 'Make Default'.

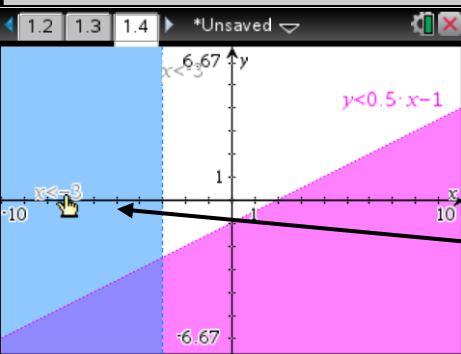
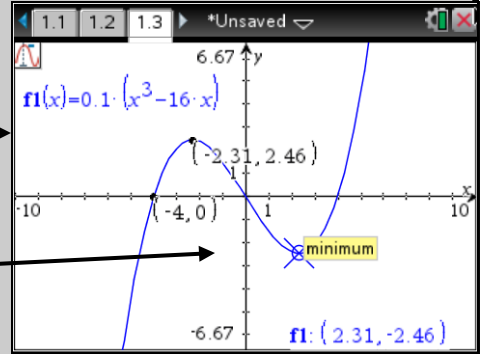
COPY/PASTE: Click to highlight an expression, press **enter**.



Graphs Page

GRAPH A FUNCTION: Press **ctrl** **doc** and add Graphs. Remember, $y=$ is the same as $f(x)=$! Type the function $y=0.1(x^3-16x)$ then press **enter**

CRITICAL POINTS: Use the Trace function to find the Min, Max, and Zeros. Press **menu**>Trace>Graph Trace to activate the tool. Click the **↔** arrow keys to trace the function. When find a min, max, or zero, press **enter** to lay down a point. Type a number and press **enter** to jump to its value.

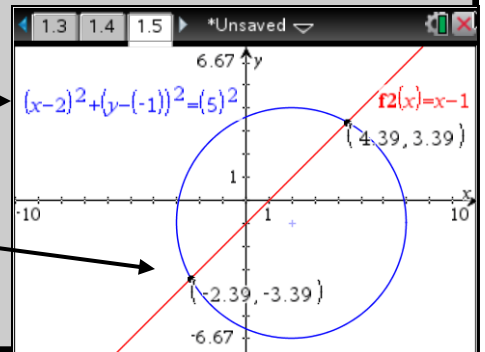


GRAPH f(x) INEQUALITY: Press **ctrl** **doc** and add Graphs. In the entry line, press **del** to get rid of the = sign. Choose the < inequality sign, then type the inequality, $y < 0.5x - 1$.

GRAPH f(y) INEQUALITY: Swipe the Touchpad and move cursor to an empty space. Press **ctrl** **menu** choose Text. Type, $x < -3$ and press **enter**. Hover over the text, press **ctrl** **⌘** to grab & then drag to the x-axis. **enter**

CONIC GRAPH : **ctrl** **doc**, add Graphs. **menu**>Graph Entry/Edit>Equation>Circle>I. Type the numeric values so that $h=2$, $k=-1$, and $r=5$. Press **menu**>Graph Entry/Edit>Function. Type $y=x-1$ and press **enter**.

INTERSECTION POINTS : Press **menu**>Geometry>Points & Lines>Intersection Points. Click on both of the graphs. If you need to see more digits of the ordered pair, hover over a $x-$ or $y-$ value and press **+**.

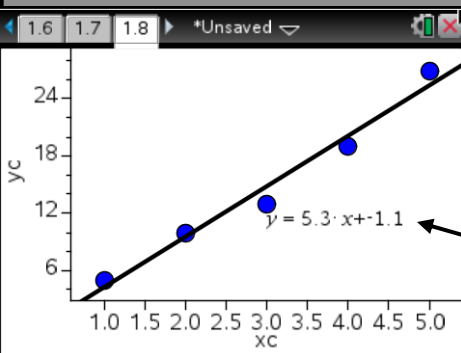


Scatter Plots & Regression

ENTER DATA: **ctrl** **doc** and add Lists & Spreadsheet. Go to the very top cell in column A. Type, xc, to name the column. (**Hint:** always use at least two letters to name a list) Type in the data $xc=\{1,2,3,4,5\}$. Repeat these steps in column B so that $yc=\{5,10,13,19,27\}$

Warning: Be sure to either press **enter** or arrow out of the last cell you type data in. Otherwise, you may get a 'dim mismatch' error message.

	xc	yc	
1	1	5	
2	2	10	
3	3	13	
4	4	19	
5	5	27	



GRAPH SCATTER PLOT : **ctrl** **doc** and add Data & Statistics. **tab** then choose appropriate variable (xc for the x-axis), **tab** again then choose the appropriate variable (yc for the y-axis).

GRAPH REGRESSION LINE: **menu**>Analyze>Regression>Show Linear ($mx+b$). If you need to see the correlation coefficient, r , then do the regression in Lists & Spreadsheet. (**menu**>Statistics>Stat Calculations)