**Getting Started with the TI-Nspire CX**



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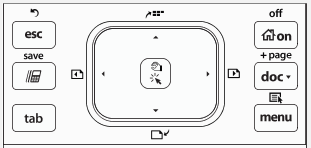
**Texas Instruments**

**Touchpad** Swipe your finger to operate on screen mouse

**Click** Select menu items; Mouse Click

**Undo**

Like a Computer **On /Home Button**



**Escape**

Close Menus

Release Grab

**Add a Page**

**ScratchPad Document Key**

Quick Calculator File/Edit/View/…

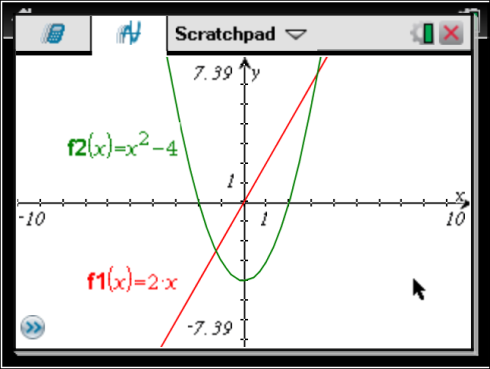
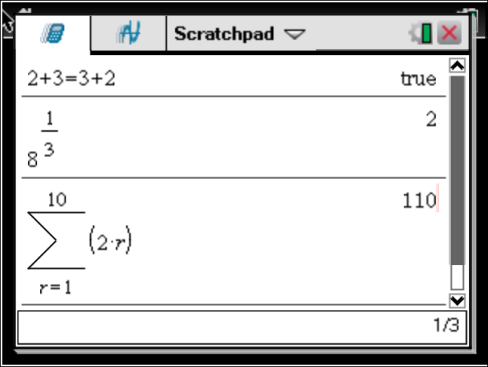
Quick Graph

**Right Click**

**Tab Menu**

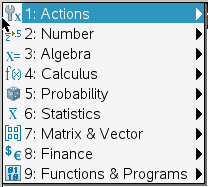
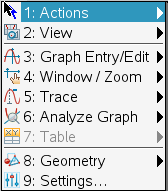
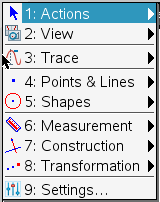
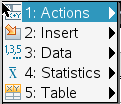
Navigate fields Specialized by

Like a Computer App

**ScratchPad**

Pressing the repeatedly

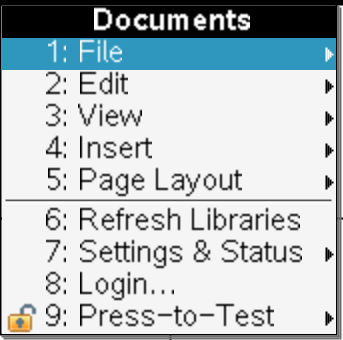
toggles between Calc and Graph

**Menu**

Pressing Menu will open

a menu specialized for

the current Application





**Document Key**

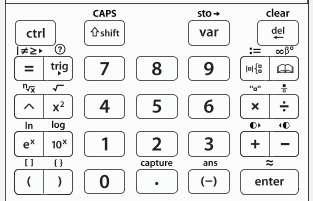
Document Management

Very similar to Computer

Software

**Shift** Like on Computer;

Capitalize one Letter **Set Equal to**

**CTRL** Like on Computer **Delete** Like on Computer

Press once, no need to

hold down **Catalog** find all functionality

**Equal Sign**

**Templates Key**

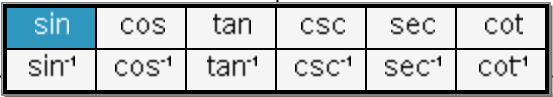
**Trig Functions** Similar to Math Type

**Exponent Fraction Template**

**Approximate to Decimal**

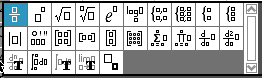
**Parenthesis**

**Enter** to select/evaluate/ **Negative** graph/ and more…





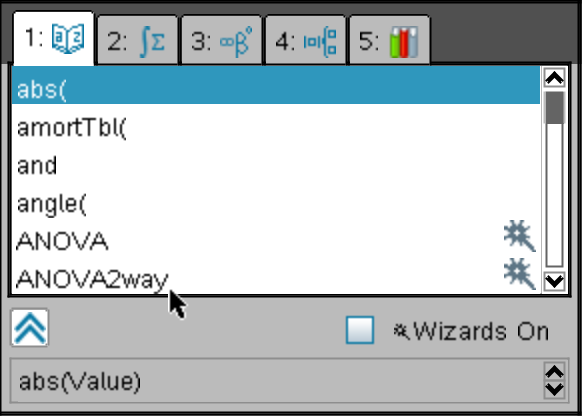
**Trigonometry**





**Templates Key**

Different sections of Catalog; Press number associated to section



**Catalog**

Alphabetized

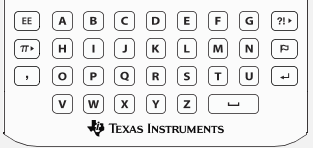
Press letter to

Jump to command

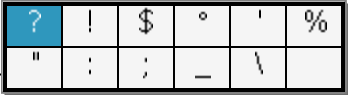
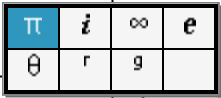
Syntax for all

commands

The Letters are arranged in an Alphabetized format opposed to the QWERTY format on a Computer due to Testing Boards not allowing QWERTY keyboards for their exams.



**Comma**



Many of the “Hot Keys” that work on a Computer carry over to the TI-Nspire handheld.



+ COPY



+ PASTE



+ CUT

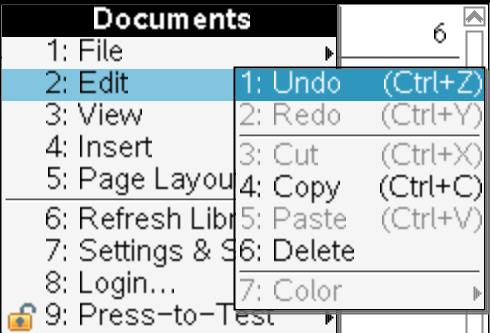


+ UNDO



+ REDO However don’t try to memorize these Hot Keys as they are in the

Document menus like on your computer.



+ X-Y Function Table



+ Open Document



+ New Document



+ Close Document

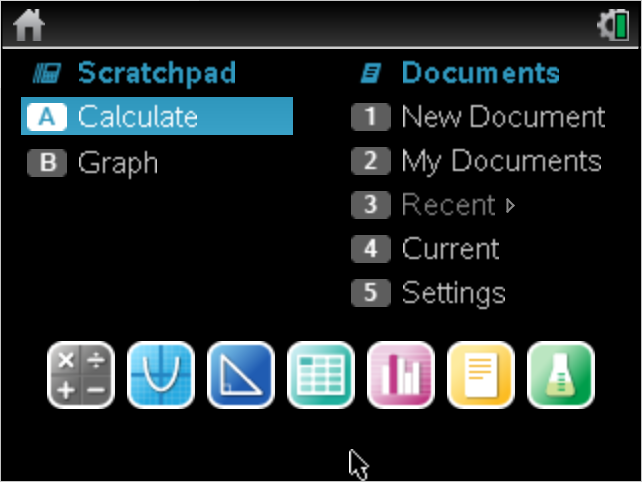


+ Save Document



+ Insert Page



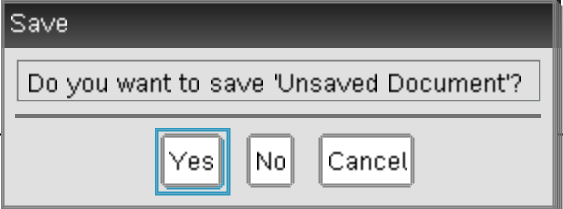
**Home Screen**

**Calculator Graphing Geometry Spreadsheet Data/Stats Notes Data Collection**

**App App App App App App App**

When on the Home Screen, you can select options by pressing the letter or number associated with the item.

**Break Down of DOCUMENTS on the Home Screen**

 To start fresh select (1) New Document.

Only one document can be open at one time.

If another document is open,

a message like this may appear.

Unless you wish to save for later, select No.

 To access the Memory of the Nspire Handheld select (2) My Documents.

My Documents is a system of file folders to store lessons, activities

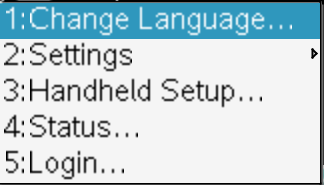
assessments and more.



Selecting (3) Recent, allows you to quickly access the most recent documents that were opened on the handheld.



Selecting (4) Current, allows you to go back to the current document that is open.

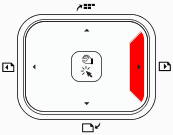


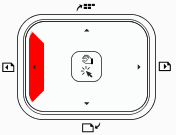
 (5) Settings allows the user to change the settings of the handheld.

Radians vs Degrees, number of display digits, and more.

Check Operating System, Battery strength, and adjust power settings

**Navigating Between Pages**





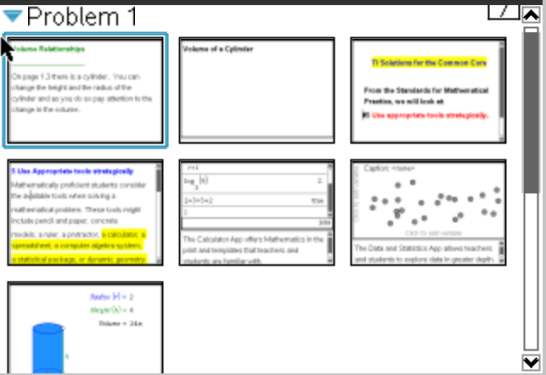


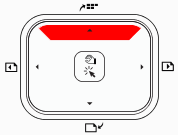
**Method 1:** Press + +

To move Forward a Page To move Backward a Page



**Method 2:** Click on the Tabs at the Top of the Screen.

**Navigating in a Document or to Manage the Pages in a Document**



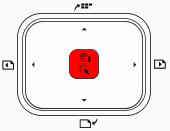
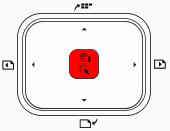


Press +

To view all the Pages in Page Sorter View



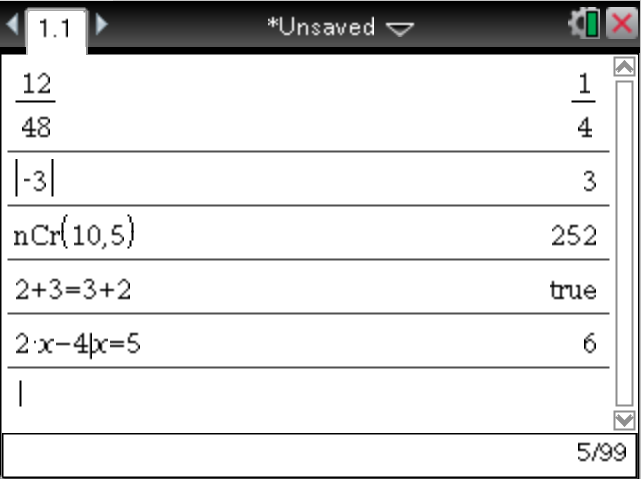
**Grabbing and Dragging**





Press + OR Press and Hold

**Calculator Application**



Hover to check settings

Page Number Click to make changes

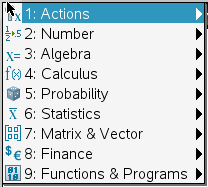
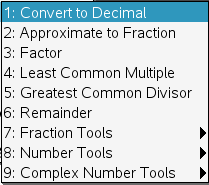
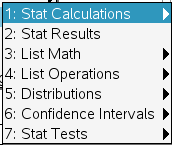
Scroll Bar

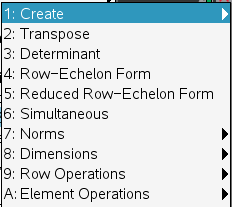
Press Up on Touchpad

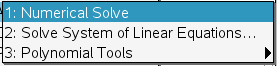
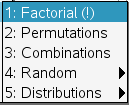
Note:Press Enter to Paste

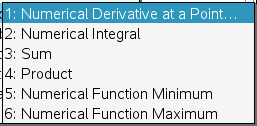
Indicates the number of lines used out of possible lines

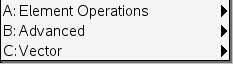
**Exploring the Calculator App Menu**



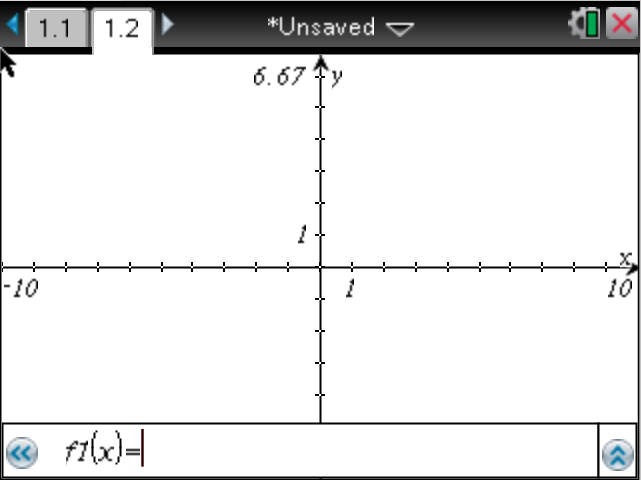








**Graphing Application**



Show Multiple

Functions

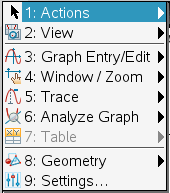
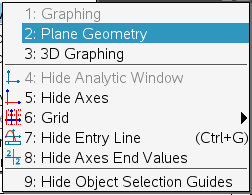
Hide Entry Line

Entry Line (Press Enter after typing in Function to Graph)



Press to open the Entry line if it is hidden

**Exploring the Graphing Application Menu**

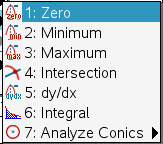


3D Graphing

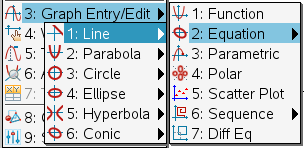
Grid Lines

Analyze Graph

Similar to previous TI Models

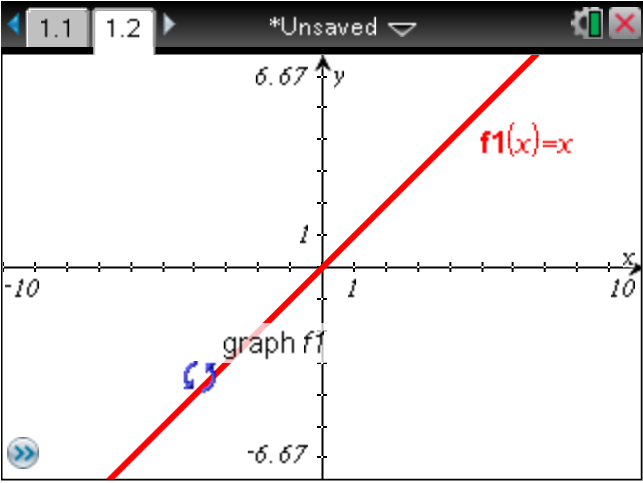
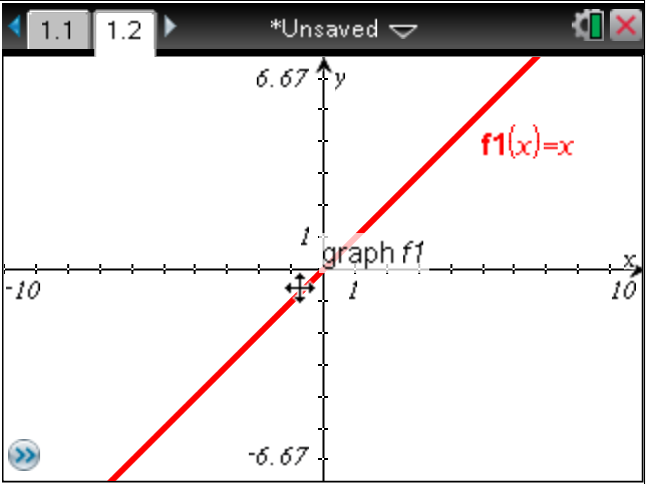


Function Templates



**Exploring the Graphing Application**

Once a Linear Equation is graphed, you can manipulate the function hands-on with the following tools.



This cursor will change the Slope This cursor will change the Y-Intercept



Press + To grab the function with either of these cursors. Swipe the Touchpad to manipulate.



Press To let go. Press + To undo the changes.

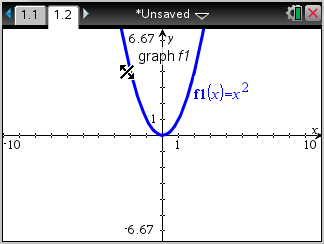
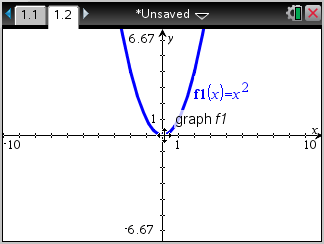


**Note: +** To grab different things on the Graphing Page.

* Tick Marks on the Axes to Zoom in or out
* White Space to grab the Graph paper

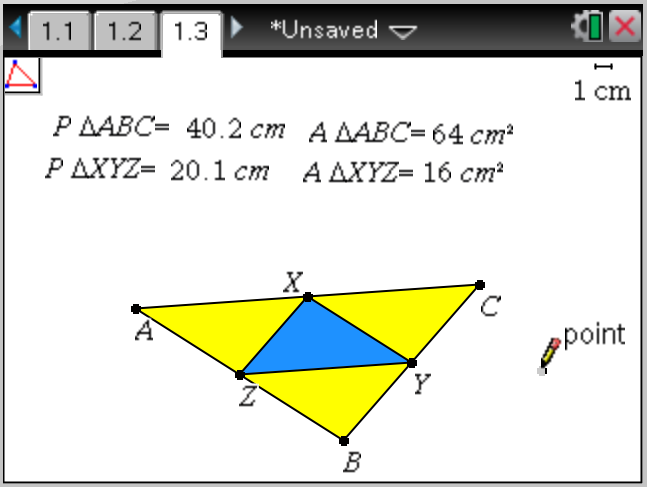


Double on End Axes Values or Tick mark Values to open a text box and change values.



This cursor will change the Concavity This cursor will perform translations

**Geometry Application**



Icon indicates

current tool in use.

Hover to reveal how

to use.

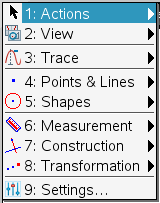
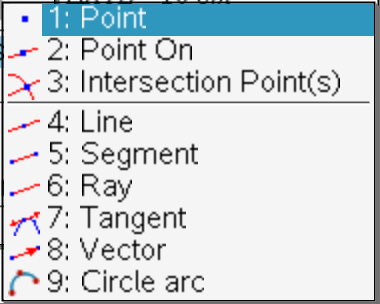
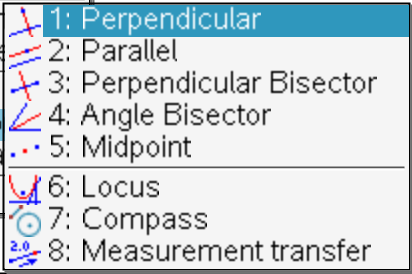
Escape closes tool.

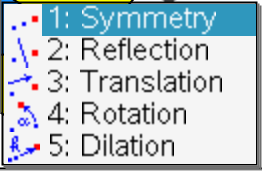
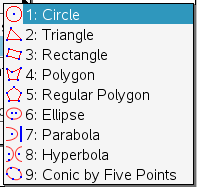
Note: grab & drag

For dynamic geometry Cursor; press enter to

drop points.

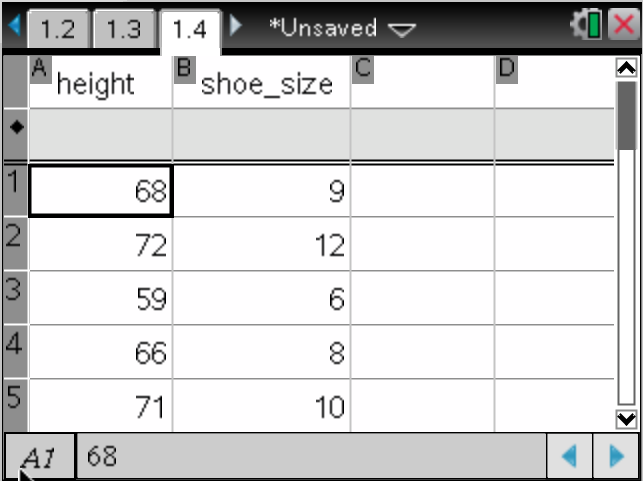
**Explore the different menu options for the Geometry Application**







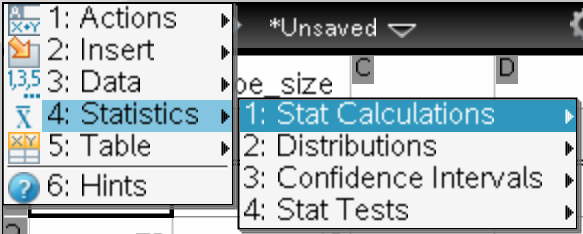
**List and Spreadsheet Application**

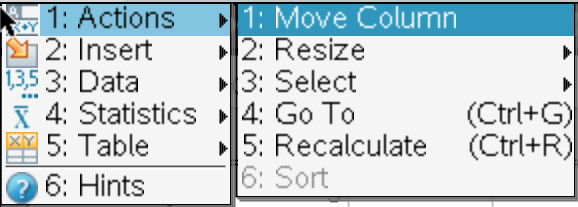


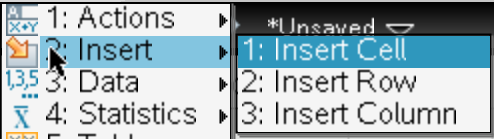
Name the lists in the title cells.

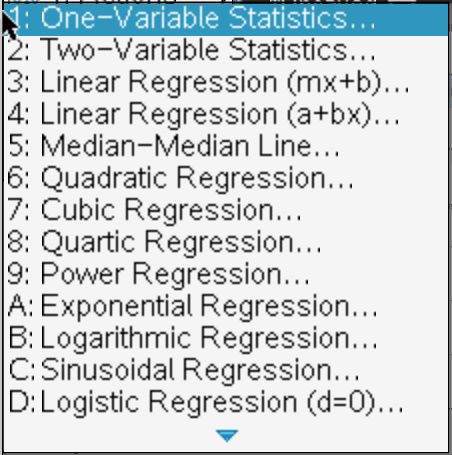
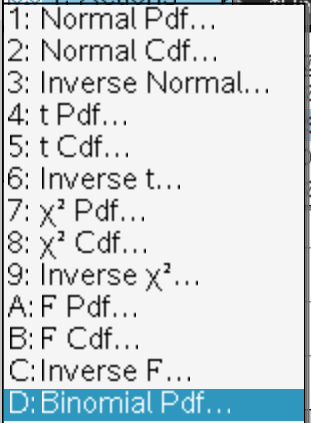
Command line for formulas.

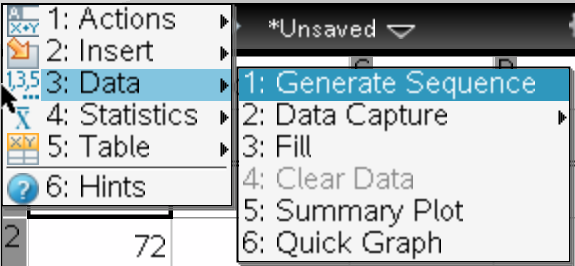
Indicator of active cell.

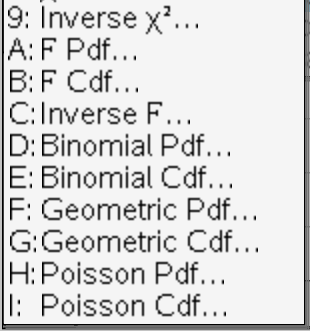
**Exploring Spreadsheet Menus**

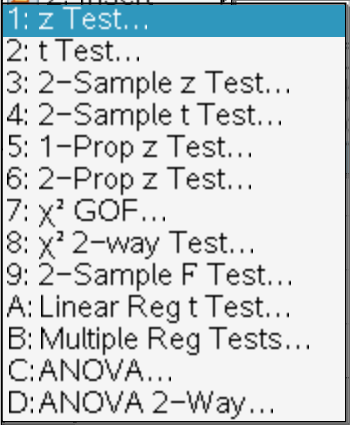


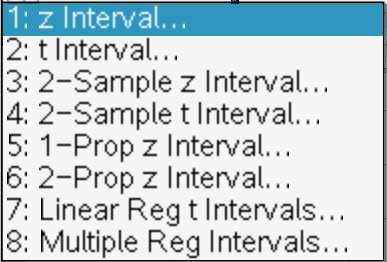




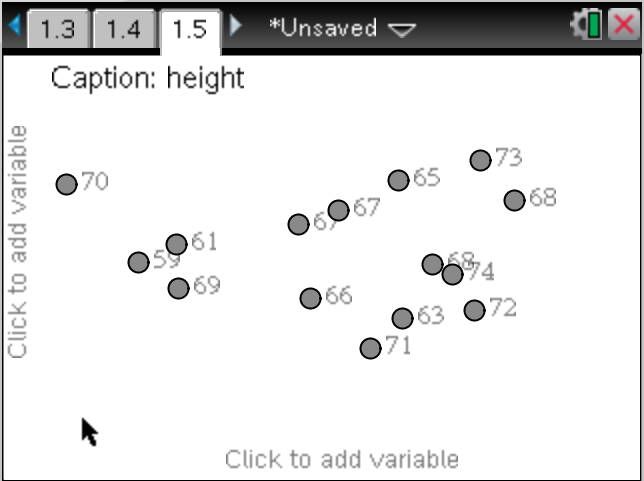
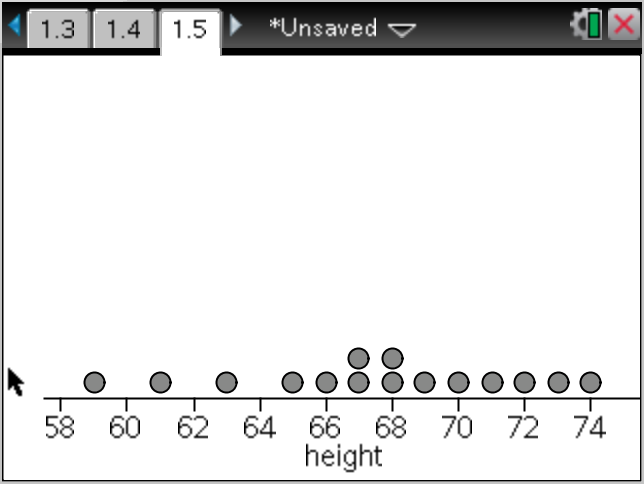
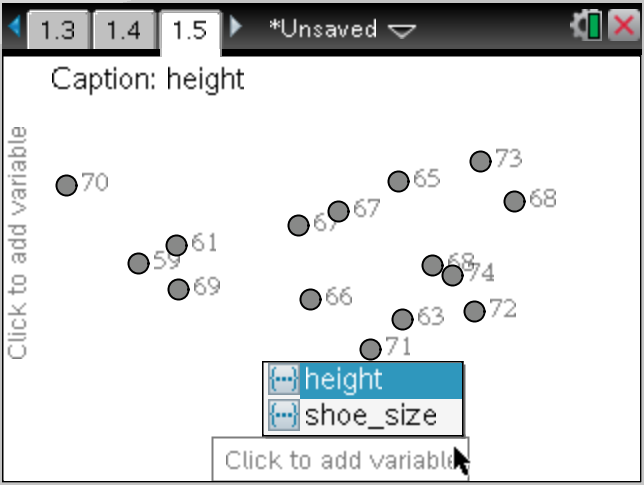






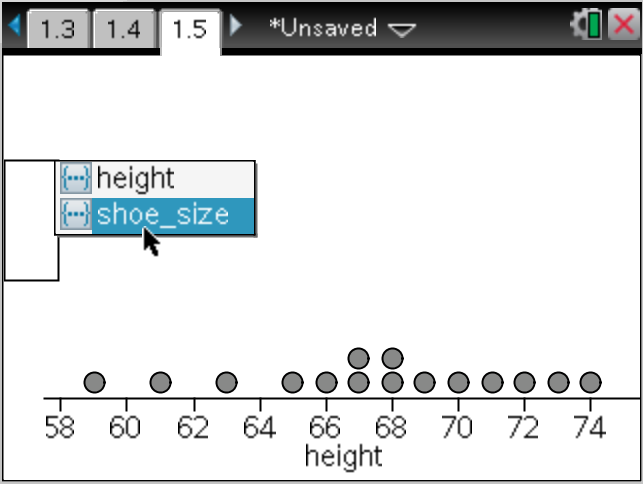
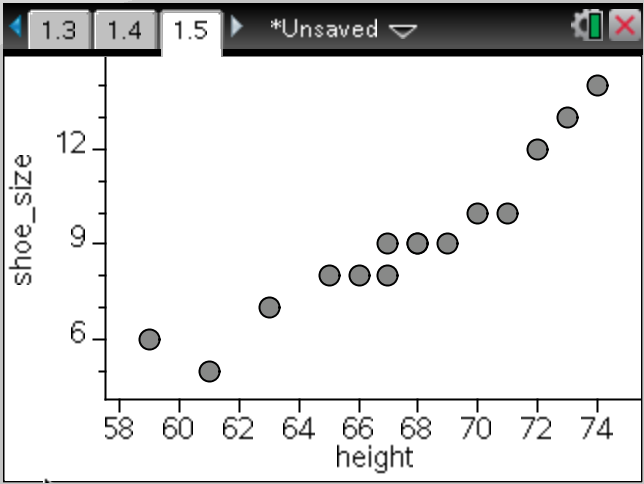


**Data and Statistics Application**



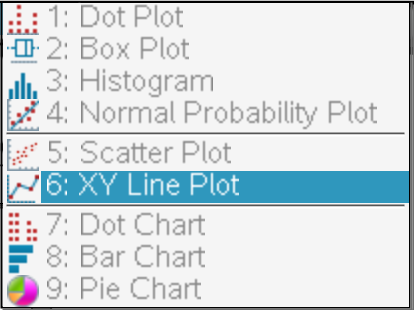
Data points are randomly positioned. Click to define variable. Points are arranged and

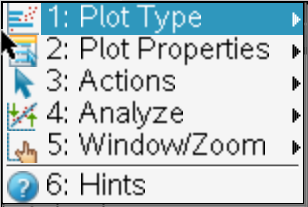
window is optimized.



Click to define 2nd variable. Points are arranged and window is optimized.

**Exploring Data and Statistics Menus**





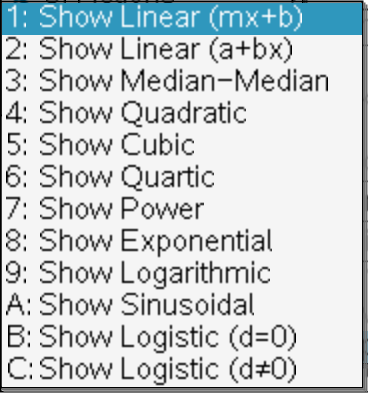
Single Variable

Statistical Plots

Two Variable

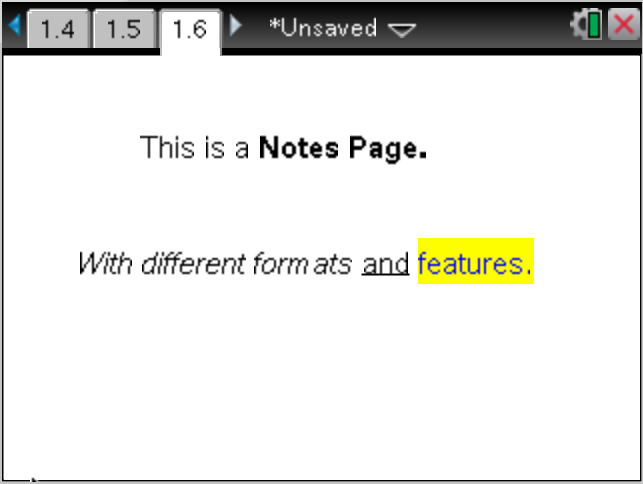
Statistical Plots

Categorical Plots

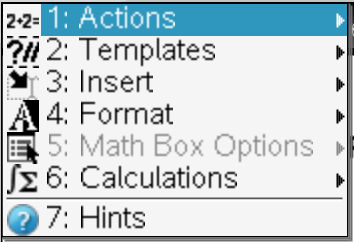
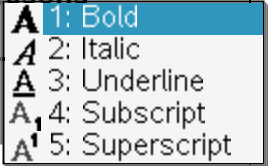


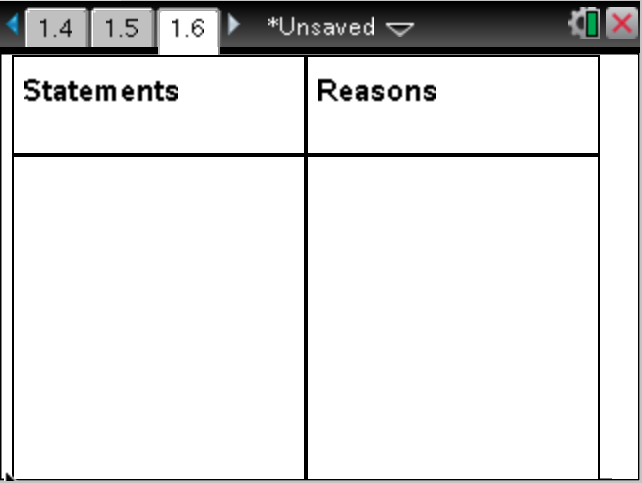
Analyze > Regressions

**Notes Application**



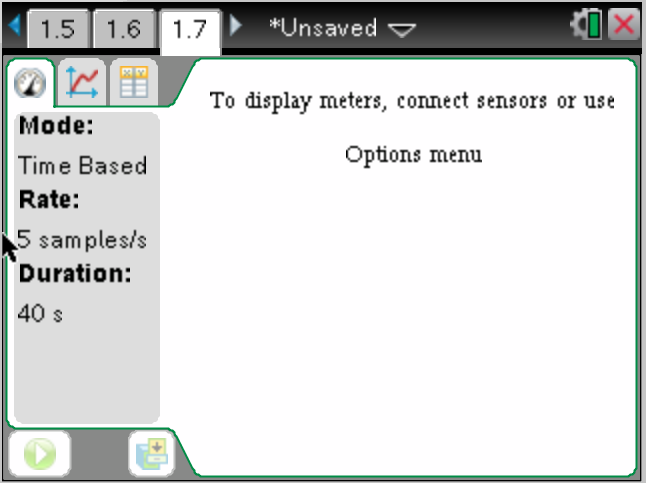
**Exploring the Notes Application Menu**





Two Column Proof Templates.

**Vernier DataQuest Application**

Automatically launches when a probe is connected to the TI-Nspire handheld.

3 Views:

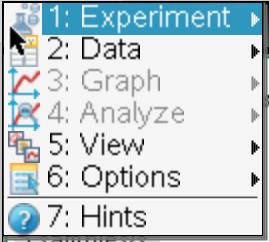
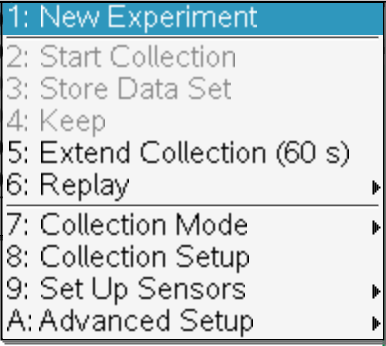
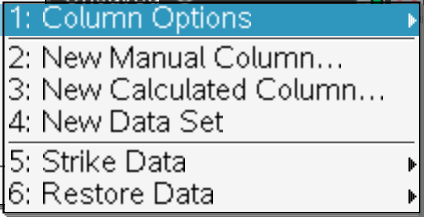
* Meter view
* Graphical view
* Table view

Click on different tabs to

change view.

Click to start data

Collection.

**Explore Vernier DataQuest Menu**

**Resources for TI-Nspire Technology**

Lessons aligned to CCSS for Mathematics:

[www.mathnspired.com](http://www.mathnspired.com)

Lessons and activities for Science Education:

[www.sciencenspired.com](http://www.sciencenspired.com)

Activities Exchange: Lessons Created by Teachers for Teachers:

<http://education.ti.com/calculators/downloads/US/Activities/>

Assessments and Test Prep for Algebra, Geometry, and Algebra 2/Trig:

[www.jmap.org](http://www.jmap.org)

Free Online Tutorials for TI-Nspire:

<http://www.atomiclearning.com/k12/en/ti_nspire>

Free Online Tutorials for TI-Nspire:

<http://media4math.com/calculator-mini-tutorials.asp>

Free Online Tutorials for TI-Nspire Navigator:

<http://www.atomiclearning.com/k12/en/ti_nspire_nav>

Free Online Live and Archived Webinars:

<http://education.ti.com/calculators/pd/US/Online-Learning/Webinars>