What's 'APPening on the TI-83Plus?

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What are they?

Programs or "OS extensions"

How do I get them?

FREE APPs: education.ti.com
Products
Select your calculator
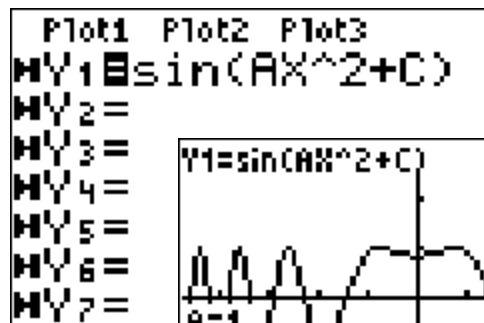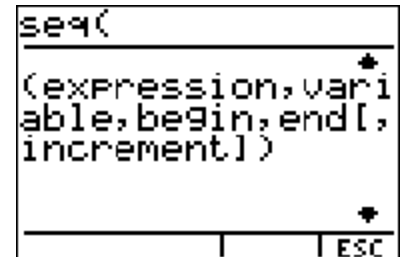Select APPS from the menu on the left

Priviledged APPS
VIP users (any teacher)
(register your calculator ID)
Enter the online store: epsstore.ti.com
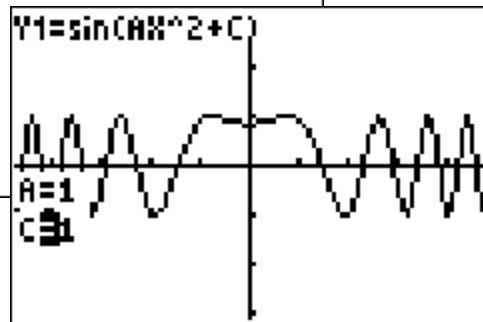Go to the **Pick-Up Window**

How do I use them?

Graph-Link or TI Connect
Press [APPS] to locate the APP you want to use.

Featured APPS this session:

CtlgHelp – Catalog Help – shows syntax of functions
from any menu. Press [+] on any menu item.

Transfrm – Transformation graphing – control the
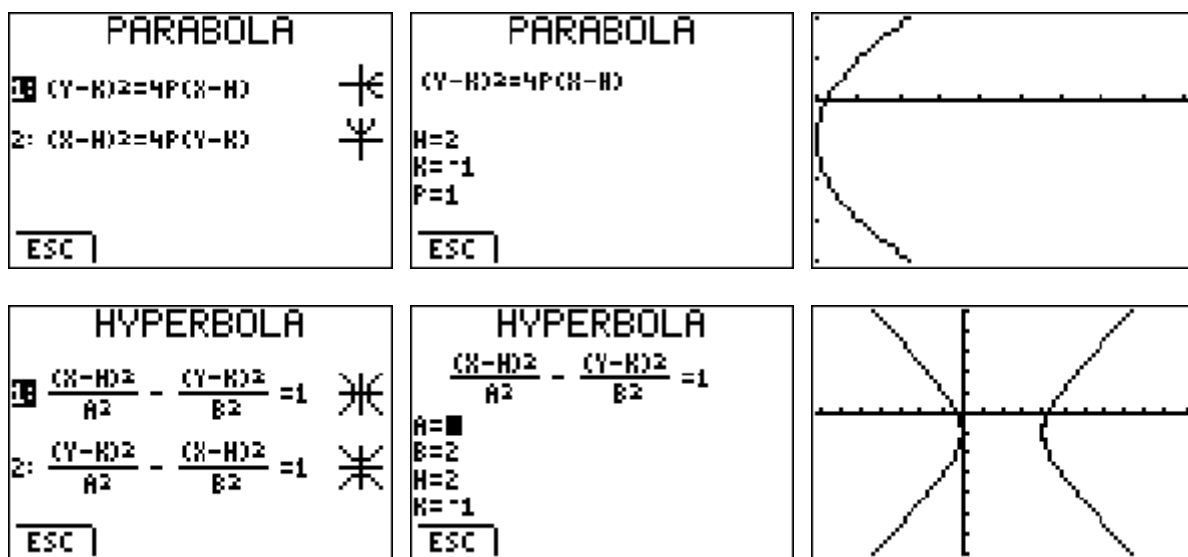parameters A, B, C, D in a function with arrow keys

Tips: type a number; [TRACE] works;
[FORMAT] has TrailOff/On; Stat Plots
work.

StudyCrd – *Study Cards Viewer;* plays a stack made with *Study Cards Creator for Windows* software. Make flashcards with scorekeeping.
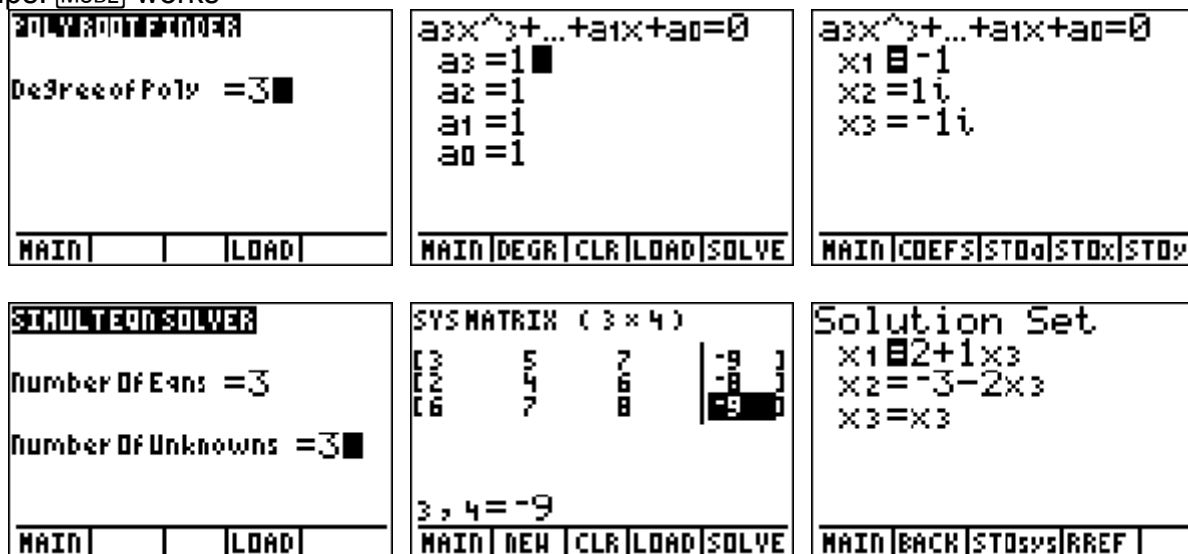
Conics – conics grapher using 'standard forms'.

Tips: MODE; set Window to Man; ZOOM Conic; ALPHA ENTER from Equation screen to "solve" (show properties); the manual makes a nice reference sheet on conics!

PARABOLA

1: $(Y-K)^2=4P(X-H)$

2: $(X-H)^2=4P(Y-K)$

ESC

PARABOLA

$(Y-K)^2=4P(X-H)$

H=2
K=-1
P=1

ESC

HYPERBOLA

1: $\frac{(X-H)^2}{A^2} - \frac{(Y-K)^2}{B^2} = 1$

2: $\frac{(Y-K)^2}{A^2} - \frac{(X-H)^2}{B^2} = 1$

ESC

HYPERBOLA

$\frac{(X-H)^2}{A^2} - \frac{(Y-K)^2}{B^2} = 1$

A=■
B=2
H=2
K=-1

ESC

PolySimlt – two APPs in one: Polynomial root finder and Simultaneous Equation solver

Tips: MODE works

POLY ROOT FINDER

Degree of Poly =3■

MAIN   LOAD

$a_3x^3+\ldots+a_1x+a_0=0$

$a_3 =1$■
$a_2 =1$
$a_1 =1$
$a_0 =1$

MAIN DEGR CLR LOAD SOLVE

$a_3x^3+\ldots+a_1x+a_0=0$

$x_1 = -1$
$x_2 =1i$
$x_3 = -1i$

MAIN COEFS STOa STOx STOy

SIMULT EQN SOLVER

Number Of Eqns =3

Number Of Unknowns =3■

MAIN   LOAD

SYS MATRIX (3 × 4)

[3   5   7 | -9]
[2   4   6 | -8]
[6   7   8 | -9]

3,4= -9

MAIN NEW CLR LOAD SOLVE

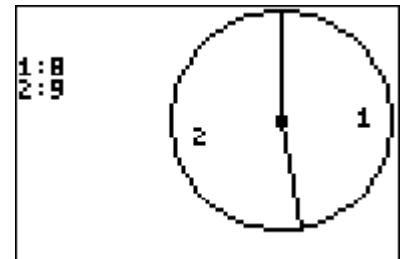Solution Set
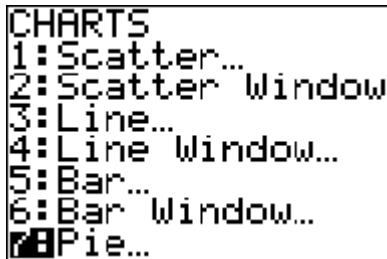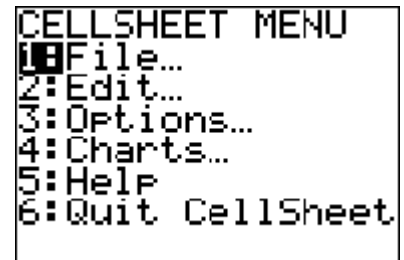
$x_1 = 2+1x_3$
$x_2 = -3-2x_3$
$x_3 = x_3$

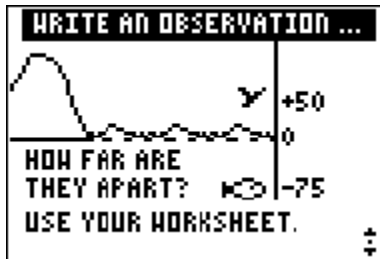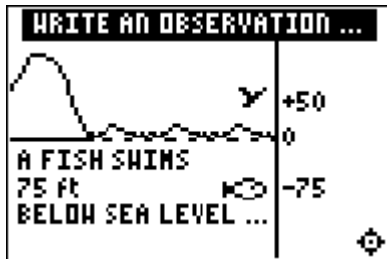MAIN BACK STOsys RREF

Cellsheet – a 'true' spreadsheet in your calculator.

CellSheet V1.10 Help	AAA	A	B	C	CELLSHEET MENU
= .... STO▸	1	2	8		1:File…
🖉 .... RCL	2	6			2:Edit…
Select Range F1	3				3:Options…
Cut/Copy F2/F3	4				4:Charts…
Paste F4	5				5:Help
Menu F5	6				6:Quit CellSheet
Grab Cell Ref ...... APPS	B1: =A1+A2			[Menu]	
Use " in front of text					
Press Any Key					

CHARTS	PIE CHART	
1:Scatter…	Categories:A1:A2	1:8
2:Scatter Window	Series:B1:B2	2:9
3:Line…	**Number** Percent	
4:Line Window…	Title:	
5:Bar…	**Draw**	
6:Bar Window…		
7:Pie…		

ALG1PRT1: Topics in Algebra I, Part 1 – selected topics and activities for Algebra 1 classes

WRITE AN OBSERVATION …	WRITE AN OBSERVATION …	TO FIND TOPICS
Y +50	Y +50	SELECT A **CHAPTER**
0	0	↳ SELECT A **SECTION**
A FISH SWIMS	HOW FAR ARE	↳ SELECT A
75 ft -75	THEY APART? -75	**SUBSECTION**
BELOW SEA LEVEL …	USE YOUR WORKSHEET.	(MAIN)(BACK)
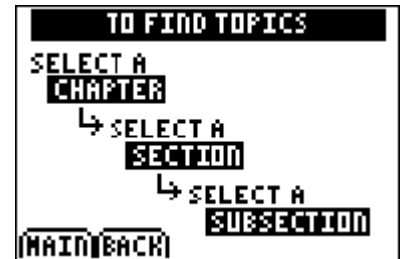
Inequal – Inequalities grapher

Tip: note the X= in the upper left of [Y=]

Plot1 Plot2 Plot3	Plot1 Plot2 Plot3	
▶Y₁◼-1/2X+3	▼X₁◼0	
▶Y₂◼-5/3X+4	\X₂=	
▼Y₃◼0	\X₃=	
\Y₄=	\X₄=	
\Y₅=	\X₅=	
\Y₆=	\X₆=	
(=)(<)(≤)(>)(≥)	(=)(<)(≤)(>)(≥)	(Shades)(PoI-Trace)(?)
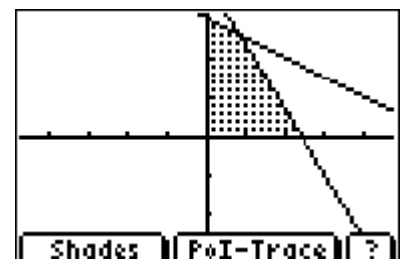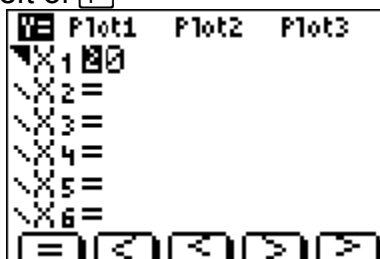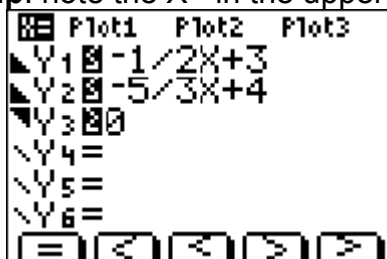
For more information: education.ti.com