

# DESMOS - FREE CALCULATORS

Homepage [www.desmos.com](http://www.desmos.com)

The screenshot shows the Desmos homepage in a web browser. The address bar contains <https://www.desmos.com>, which is highlighted with a red box and a red arrow pointing to it. The main navigation bar includes links for "About", "Partnerships", "Classroom Activities", and "We're Hiring". The main content area features a large white box with the text "Explore math with Desmos. Graph functions, plot data, evaluate equations, explore transformations, and much more – for free!". To the right of this text is a red button labeled "Start Graphing >". Above this button is another red box containing the text "Free Graphing Calculator", with a red arrow pointing down to the "Start Graphing >" button. The background of the page is a grid of various mathematical illustrations.

**Free Basic Calculators**

Four Function and Scientific  
Check out the newest additions to the Desmos calculator family.

[Four Function](#) [Scientific](#)

Teacher.desmos.com  
Find the best digital activities for your math class — or build your own.

[Classroom Activities](#)

**Help Guides**

Learn.desmos.com  
Level up your Desmos skills with videos, challenges, and more.

[Learn More](#)

Basic Calculators

The image displays two calculator interfaces side-by-side. The left interface is the 'Desmos Four Function Calculator', showing a simple addition of 1 + 2 = 3. The right interface is the 'Desmos Scientific Calculator', showing a calculation of  $e^2 = 7.389056099$ . Both calculators have a 'Your answers show up on this side.' message with a downward arrow. The scientific calculator has a 'mode' button highlighted with a red box and three red arrows pointing to the 'main', 'abc', and 'func' tabs. Another red box labeled 'Help Guide - Video' has a red arrow pointing to the 'Help' link at the bottom of the scientific calculator interface.

**Desmos Four Function Calculator**

Your answers show up on this side. ↓

1 + 2 = 3

clear all

( ) √ ÷

7 8 9 ×

4 5 6 -

1 2 3 +

0 . ans ↵

**Help Guide - Video**

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**Desmos Scientific Calculator**

Your answers show up on this side. ↓

$e^2 = 7.389056099$

main abc **func** DEG

sin cos tan ln log

sin<sup>-1</sup> tan<sup>-1</sup> e<sup>x</sup> abs round

mean stdev stdevp a<sup>b</sup> √ <sup>n</sup>√

nPr nCr ! e π ↵

**mode**

**Help Guide- Video**

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The image shows a screenshot of the Desmos Graphing Calculator website. The browser address bar shows the URL <https://www.desmos.com/calculator>. The main interface includes a sidebar on the left with a list of items: a parabola equation  $x^2 - 4x + 1$ , a point  $(2, -3)$ , a line equation  $-2x + 1$ , and a note "Graphs of parabola, point, and line". The central area is a coordinate plane with a grid, showing a red parabola, a green line, and a black point at  $(2, -3)$ . The bottom right corner features a keypad icon.

Red callout boxes with arrows point to various features:

- Help & user guide. Includes tours.** (points to the help icon in the top right)
- Create free account so you can save graphs.** (points to the "Create Account" button)
- Click to save graph** (points to the "Untitled Graph" label)
- Graph settings** (points to the settings icon in the top right)
- Click to zoom in or out** (points to the zoom icons in the top right)
- can "grab" graph and drag** (points to the graph area)
- can click on points on graph and view coordinates** (points to the point  $(2, -3)$ )
- Click to show keypad** (points to the keypad icon in the bottom right)

Text boxes in the sidebar provide additional information:

- Can graph functions, points, equations, and inequalities. Can add notes.**
- For a function, the "y=" is assumed, and can be omitted.**  
 Example:  
 $y = -2x + 1$   
 and  
 $-2x + 1$   
 produce the same graph.

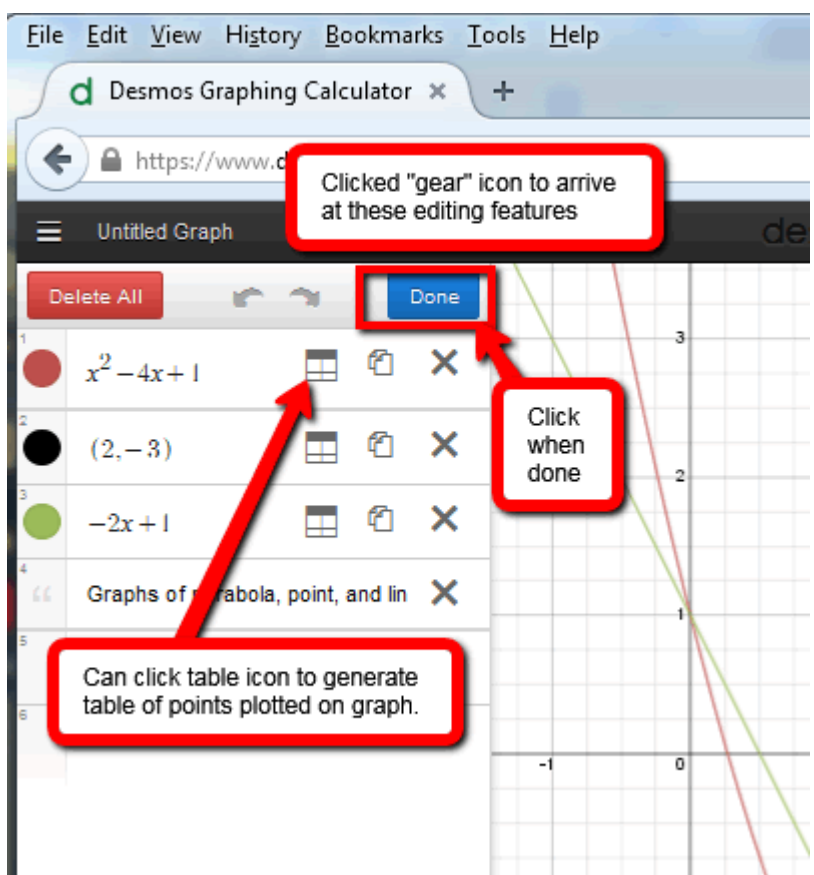
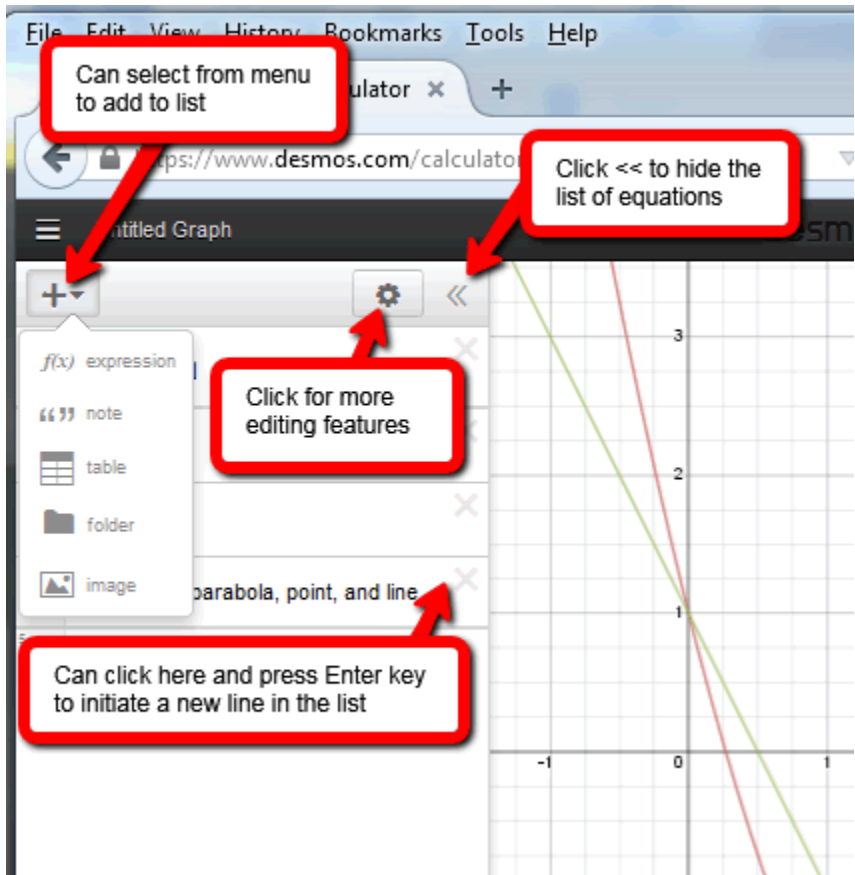
powered by **desmos**

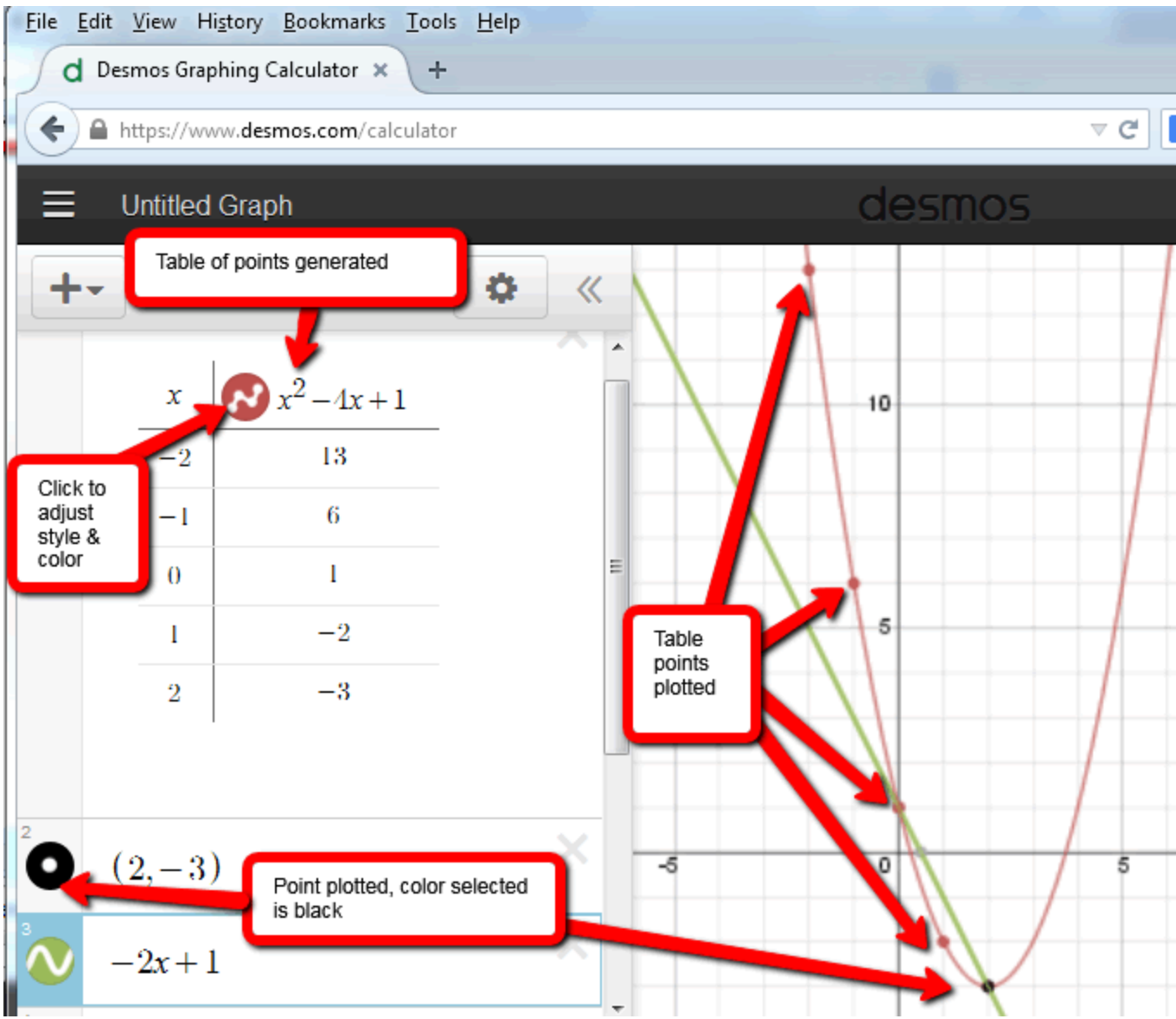
The image shows a screenshot of the Desmos Graphing Calculator web application. The browser's address bar displays the URL <https://www.desmos.com/calculator>. The page title is "Untitled Graph". On the left side, there is a list of equations:

- 1  $x^2 - 4x + 1$
- 2  $-2x + 1$
- 4 "Graphs of parabola, point, and line"

A red arrow points from a text box to the style selection menu for the second equation,  $-2x + 1$ . The menu includes a "style" section with a radio button and a "color" section with several colored circles (red, blue, green, purple, orange) and a checkmark icon.

Can click and select color





File Edit View History Bookmarks Tools Help

Desmos Graphing Calculator x +

https://www.desmos.com/calculator

Google

Untitled Graph desmos Create Account or Sign In ?

Help & User Guide, with Tours

>>

List of equations currently hidden. Click >> to show list.

Tours

Sliders Tables Restrictions Regressions

Resources

Desmos User Guide Help Center

Feedback

Tweet @desmos Tell us on Facebook

type your question or suggestion...

The image shows a screenshot of the Desmos Graphing Calculator interface. The browser address bar shows the URL https://www.desmos.com/calculator. The page title is "Untitled Graph" and the Desmos logo is visible. In the top right corner, there is a "Help & User Guide, with Tours" button. The main area is a coordinate plane with a grid. A green line passes through the origin (0,0) and the point (10, -10). A red parabola opens upwards with its vertex at (2, -2) and passes through the origin. A red line with several points is also plotted. On the left side of the graph, there is a button with two right-pointing arrows (>>). A red box with an arrow points to this button, containing the text "List of equations currently hidden. Click >> to show list." On the right side, a sidebar is open. The "Tours" section includes icons for Sliders, Tables, Restrictions, and Regressions. The "Resources" section includes links for "Desmos User Guide" and "Help Center". The "Feedback" section includes social media links for Twitter (@desmos) and Facebook (Tell us on Facebook), and a search box for questions or suggestions. A red box with an arrow points to the "Desmos User Guide" link, containing the text "User Guide". Another red box with an arrow points to the "Desmos User Guide" link, containing the text "Page 4 of User Guide explains how to get an image of your graph that you can save".

Desmos Graphing Calculator

https://www.desmos.com/calculator

Untitled Graph

Create Account

Graph settings

Projector Mode

Graph Paper

Grid  Square Grid

X-Axis   
-6.306 < x < 22.164 Step: 10

Y-Axis   
-9.96 < y < 19.745 Step: 10

Angles

x	$x^2 - 4x + 1$
-2	13
1	-2
2	-3

(2, -3)

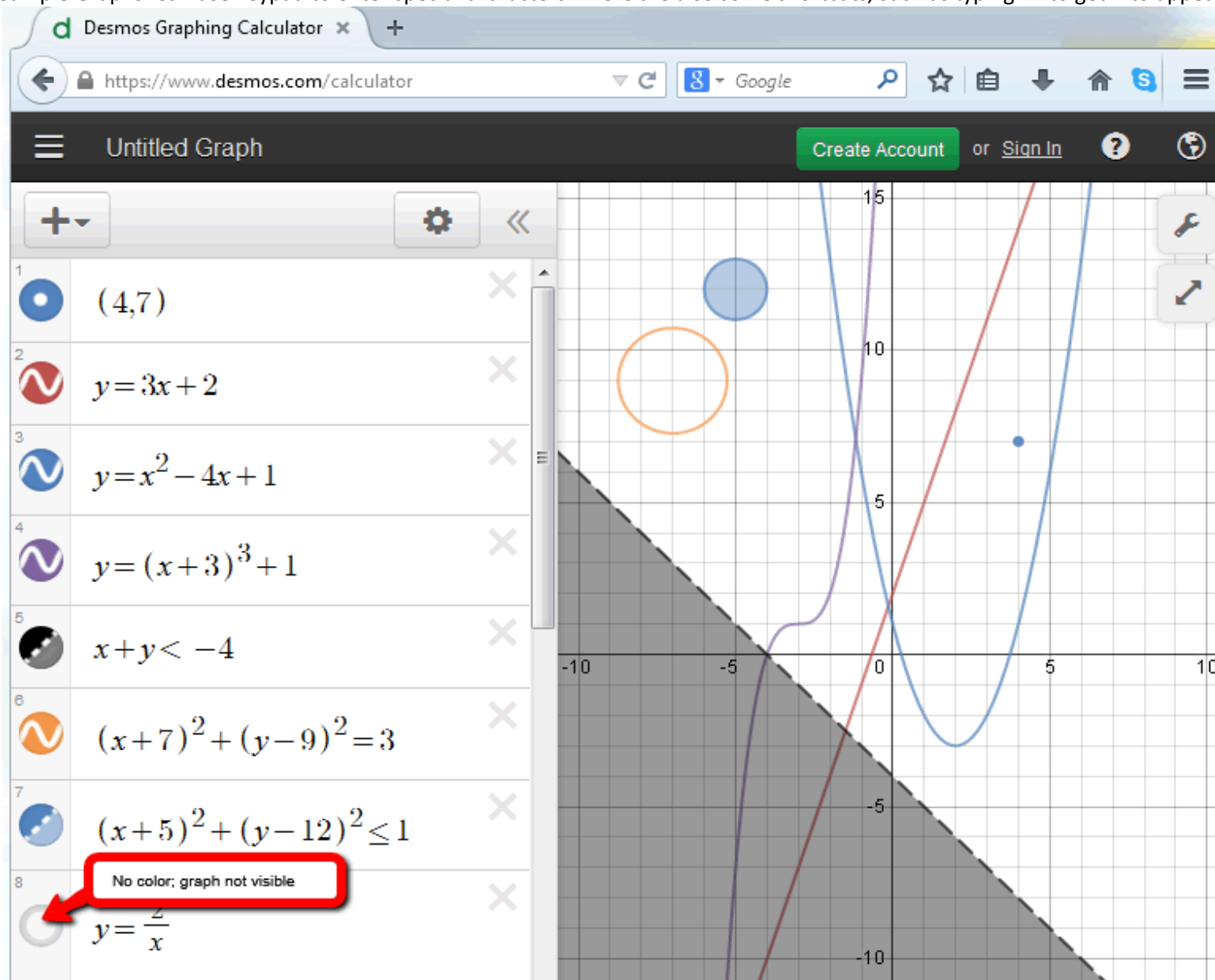
$-2x + 1$

Graphs of parabola, point, and line

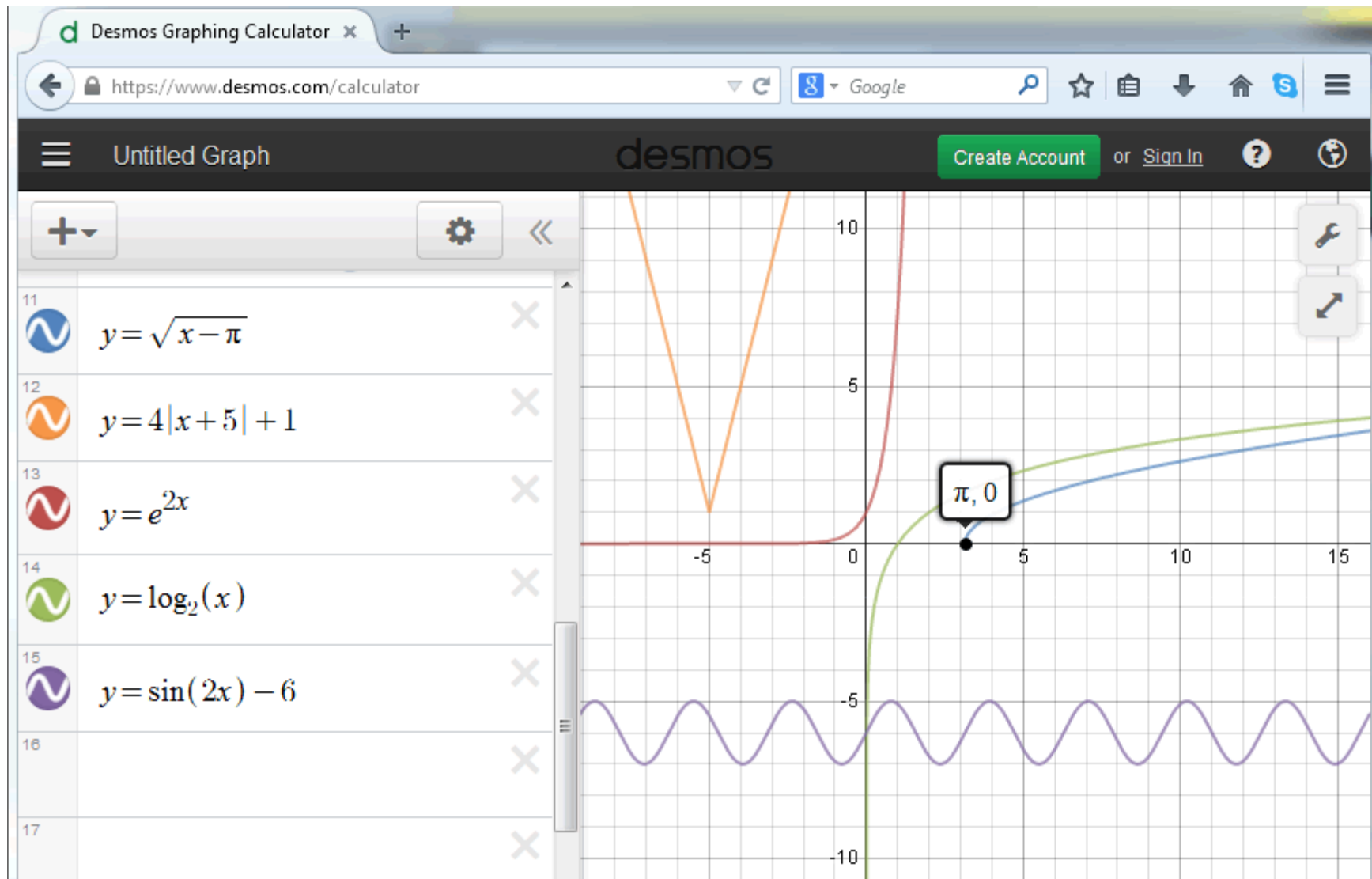
Can edit scales and units of measurement for angles



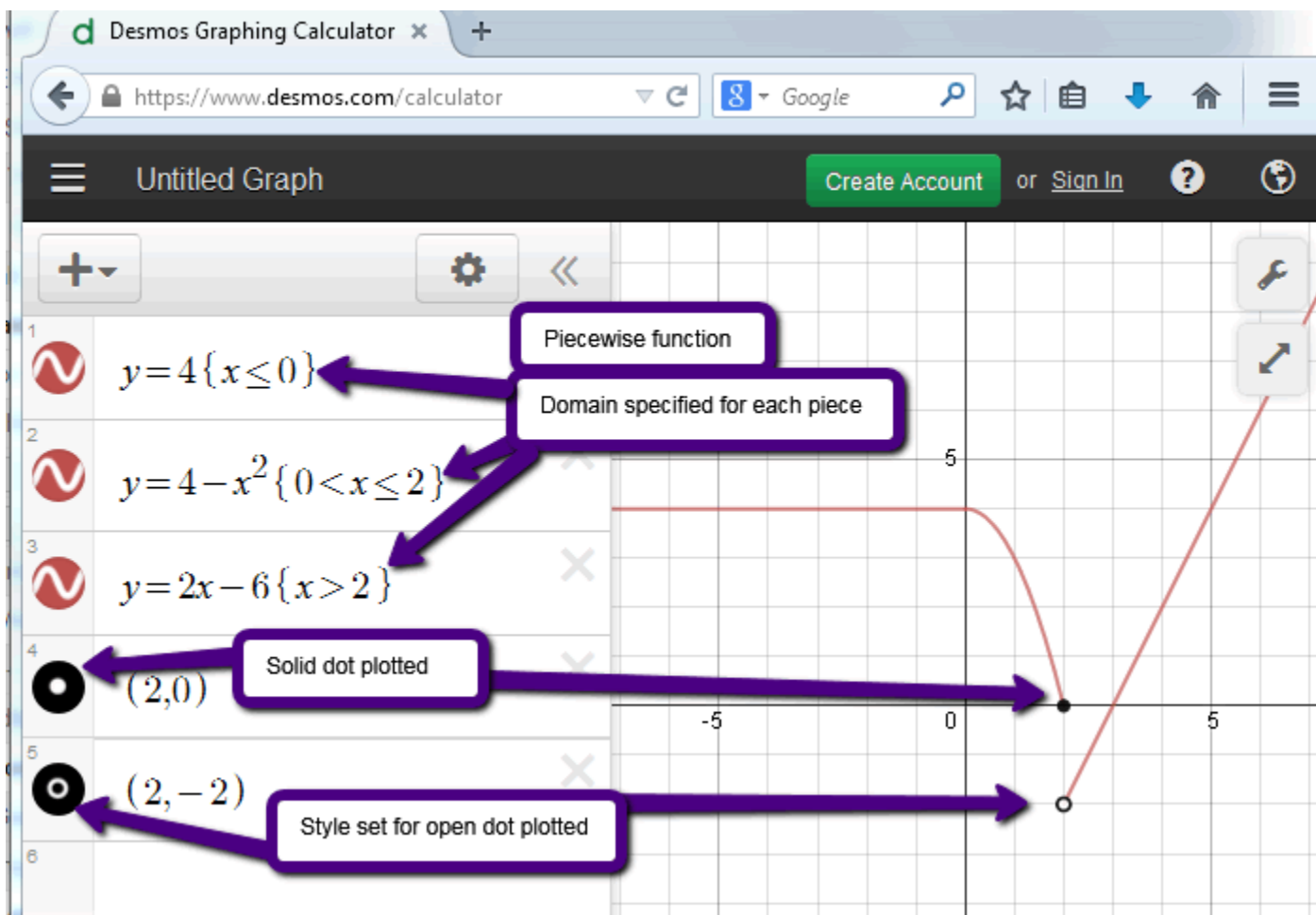
Sample Graphs. Can use keypad to enter special characters. There are also some shortcuts, such as typing  $\leq$  to get  $\leq$  to appear.



Sample Graphs. Can use keypad to enter special characters.



**Sample Piecewise Function:** Note the capability of specifying the domain for each piece, and for plotting points as either solid disks or open circles.



### Sample Rational Function with asymptotes and featuring sliders

