Exploring Quadratics and the TI-Nspire

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There are lots of resources for the concept of quadratics. The TI-Nspire CX II is a useful tool that can be leveraged for exploration and visualization of quadratics. Join this webinar to experience a few of the Quadratic resources available from Texas Instruments along with exploring the built-in features of the TI-Nspire CX II that are typically used when working with quadratics.

Resources:

Math Nspired Algebra 2 Quadratics

Completing the Square

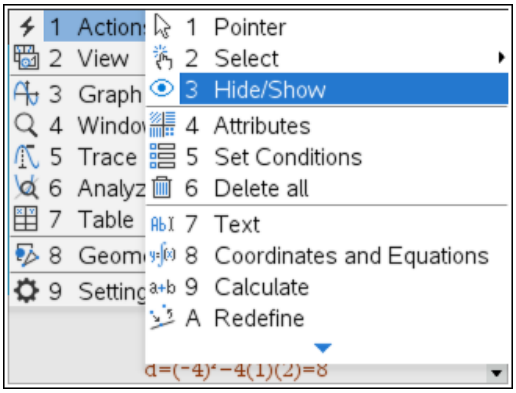
Discriminant Testing

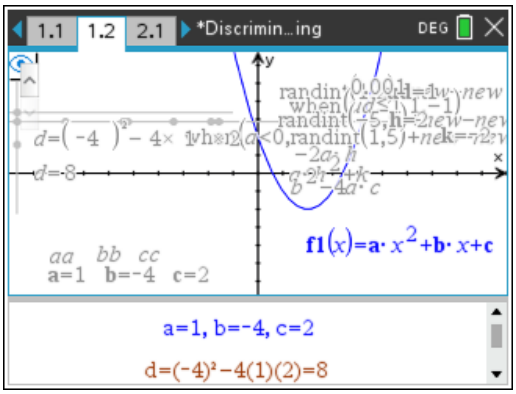
Pro Tip Used During the Session – Hide/Show Label and Show Label Values for Parameters

<u>To Hide/Show</u>

Press Menu – Actions – Hide/Show

Select the function f1(x)

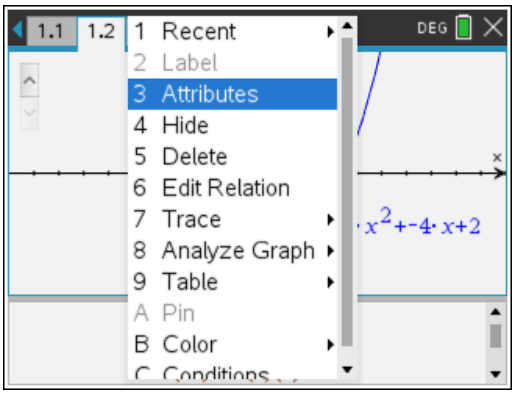




To Show the Label Values for Parameters

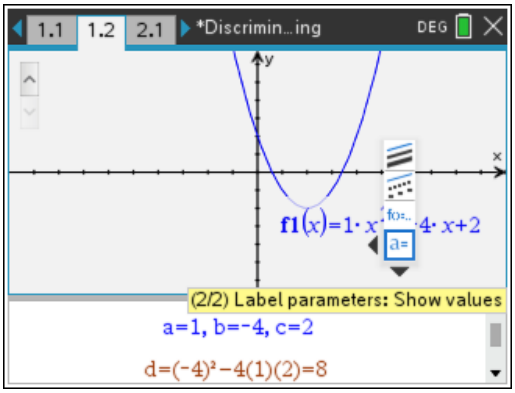
Select the graph of the function

Right Click



Select Attributes

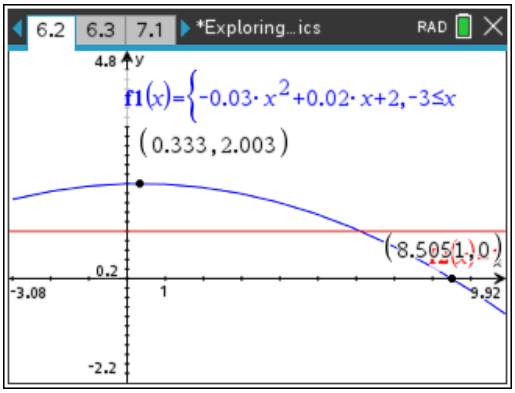
Scroll down to Label Parameters and
move right/left to toggle Show Values or Show Names



Extend or Shorten the Number of Visible Decimal Places on a Graph

Hover over the coordinate value or calculation and press the + key to extend the number of decimal places. Press the - key to shorten the number of decimal places.

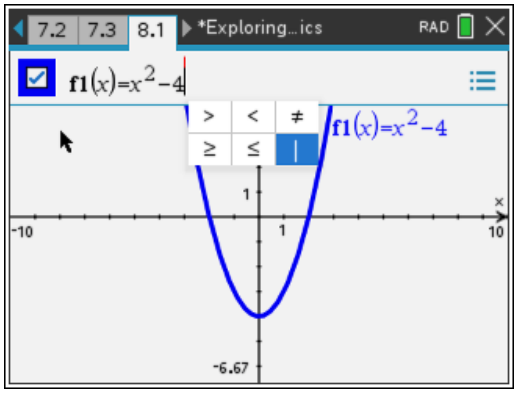
Link to Short Video to model Visible Decimal Places

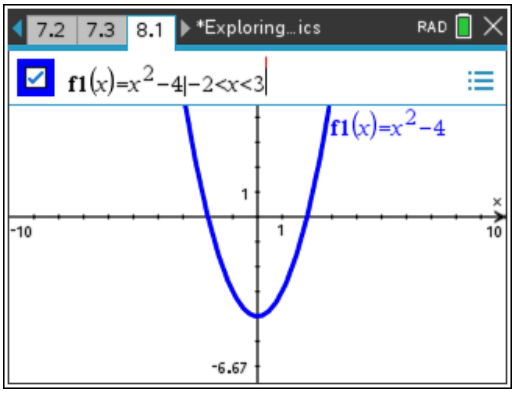


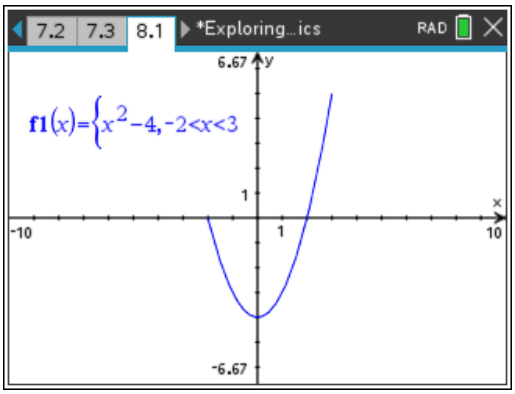
Restricting the Domain of a Function

In the function line use the such that symbol.

The such that symbol is found using control =



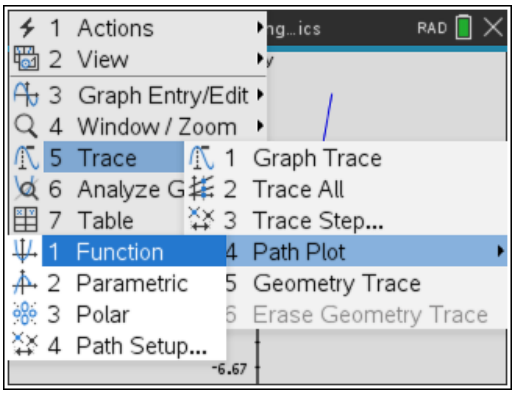




Path Plot

In the Graph App

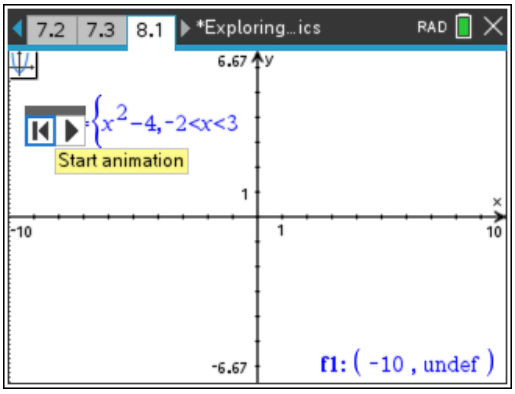
Menu – Trace - Path Plot - Function

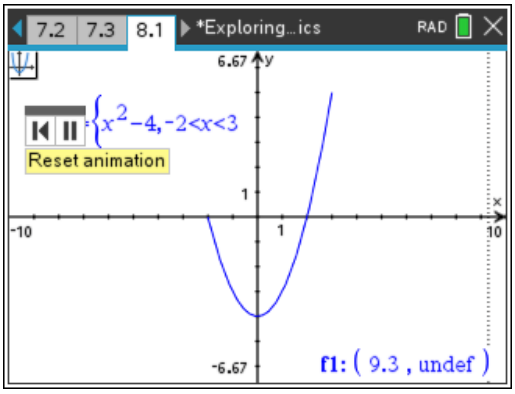
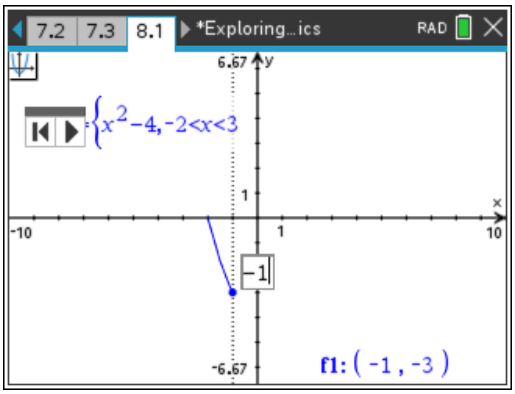


Select the Play to Advance

Select the Reset to Start Over

Use the Left and right arrows to manually advance





You can also select inputs to jump to
by pressing a value and then enter