

Tracing a graph (Tutorial B4)

http://www.atomiclearning.com/k12/en/movie/33166/play_window?type=Tutorial&sid=1670

[00:00:00.00]

You can trace a graph and see values for the curve. I'll create a new page by pressing the Home key, and then choosing Graphs &

[00:00:08.00]

Geometry. You can make menu selections by either pressing the corresponding number, or by using the NavPad and Click key. I'll

[00:00:18.00]

enter my function, x^2+6 , and then press the Enter key to graph my parabola. To trace the graph, I'll press the Menu key and select

[00:00:34.00]

Trace, followed by Graph Trace. Now I can press the right and left arrow keys on the NavPad to move my trace cursor around the

[00:00:43.00]

graph. Notice that if I trace over the vertex of the parabola, the trace cursor will show the minimum value as (0,6). If I press

[00:00:54.00]

a number on the keypad, such as 2, you can see a text box appear with the number 2 in it. If I press Enter, I'll jump right to

[00:01:04.00]

the location on the curve where $x=2$. You can also trace more than one curve at a time. I'll graph a second function by pressing

[00:01:13.00]

Esc, then using the NavPad and Click key to click in the entry line at the bottom of the graph, and then I'll press "x" followed

[00:01:23.00]

by the Enter key. Now I'll press Menu, then Trace, and then Graph Trace again, and this time I'll press the up arrow key twice to

[00:01:35.00]

enter a view that traces all functions at the current x value. So I can see that when $x=2$, my first function equals 10, and my



TI-Nspire™ Handheld Script

[00:01:45.00]

second one equals 2.

[00:01:49.00]