Using Trace and Zoom Integer with Several Graphs Classic View

Objectives:

- Use TRACE to move along a given graph and identify ordered pairs
- Move the cursor among different functions
- Use Zoom Integer to identify integer ordered pairs on a graph

Use TRACE to move along a given graph and identify ordered pairs



PRO TIP: Get comfortable with the left and right directional arrows.

X=0

Repeatedly press and then to move along the graph, observing the coordinates of the ordered pairs at the bottom of the screen.

Y= -1

X=.21276596 [Y=-.9547306

NOTICE: The equation being graphed is displayed in the upper left corner!

Move the cursor among different functions





BUMMER: When using TRACE, the ordered pairs are usually nasty decimals related to the pixel size and resolution of the calculator screen.

Use Zoom Integer to identify integer ordered pairs on a graph

KEY POINTS: Zoom Integer takes <u>three</u> keys to activate, then forces TRACE to choose integer values of x. **Example 3:** Use Zoom Integer (ZInteger) and TRACE to complete the given table for the functions in the previous examples.





Answer:

х	${\mathcal{Y}}_1$	y_2
-1	0	-4
0	-1	-2
2	3	2



It's delta x = 1 that makes the cursor move one whole unit each time.