

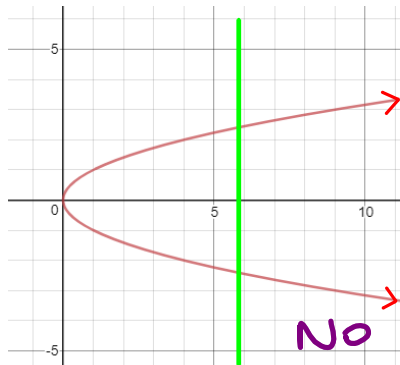
Functions

A set of ordered pairs (a relation), where all of the x-values are different.

ex) $\{(1,2), (2,4), (3,4)\}$ *Yes*

$\{(1,3), (1,2), (1,4)\}$ *No*

Identifying functions from graphs



Use the Vertical Line Test

Attempt to draw a vertical line anywhere and everywhere on graph. If line goes through 2 or more points, its NOT a function

State whether or not each of the following is a function.

1. a) $\{(-2, 5), (-1, 6), (0, 0), (2, 3)\}$ *Yes*

b) $\{(4, -1), (4, -5), (4, 2), (4, 4)\}$ *No*

