GRADE 8 MATH · CLASSWORK · SPECIAL ED

Identify Functions from Graphs

SCORE / 25

01 Part A · Practice

A graph shows a function when no vertical line crosses it more than once (vertical line test).

EXAMPLE

Is a circle the graph of a function?

1. Draw a vertical line through the middle of the circle.
2. It crosses the circle at two points: one x-value, two y-values.
3. So a circle is NOT a function.

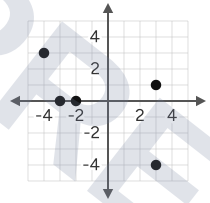
WORDS TO KNOW

vertical line test	if a vertical line touches a graph twice, it is not a function
vertical	straight up and down
function	each x has exactly one y

1 ●○○

The graph is not a function. Which vertical line touches two points?

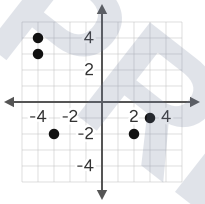
HINT Look for two points straight above each other.



2 ●○○

Is the relation shown in the graph a function? Explain.

HINT Imagine a vertical line moving across the graph. Does it ever touch two points?



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Preview - the full worksheet and its answer key are at primeworksheet.com