

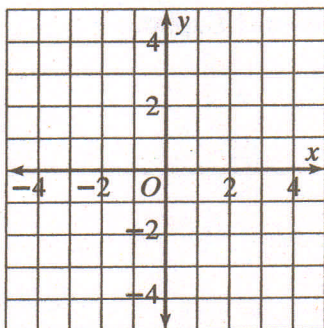
# Practice 8-1

## Relations and Functions

Graph each relation. Is the relation a function? Explain.

1.

$x$	$y$
-1	4
2	3
4	-1
-1	-2

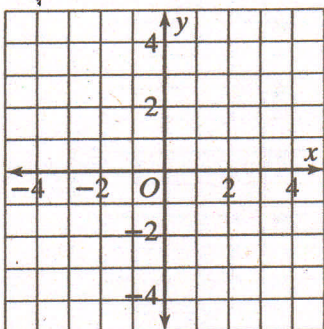


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2.

$x$	$y$
2	-4
-4	0
-2	3
3	-1

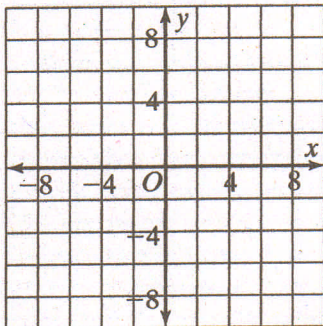


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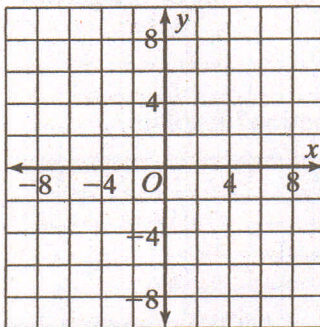
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Graph each relation shown. Use the vertical-line test. Is the relation a function? Explain.

3.  $\{(7, -2), (8, -2), (-5, 7), (-9, 1)\}$



4.  $\{(-8, 0), (10, 6), (10, -2), (-5, 7)\}$



Function? \_\_\_\_\_ Function? \_\_\_\_\_

5. Is the time it takes you to run a 100-meter race a function of the speed you run? Explain.

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