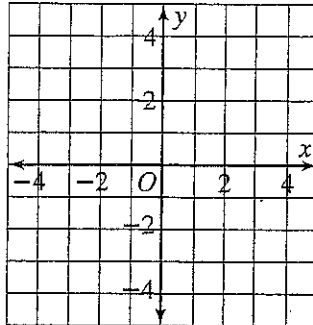


## Practice 8-1 Relations and Functions

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

1.

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



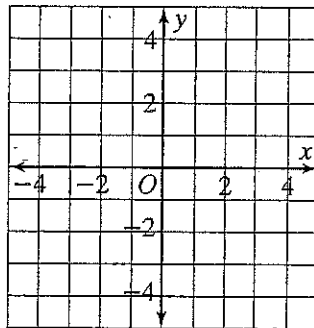
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\_\_\_\_\_

\_\_\_\_\_

2.

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



\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

For each relation, list the members of the domain. List the members of the range. Is the relation a function? Explain.

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

Domain: \_\_\_\_\_

Range: \_\_\_\_\_

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

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

Domain: \_\_\_\_\_

Range: \_\_\_\_\_

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

5.  $\{(9.2, 4.7), (-3.6, 4.8), (5.2, 4.7)\}$

Domain: \_\_\_\_\_

Range: \_\_\_\_\_

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

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

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