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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_____

_____
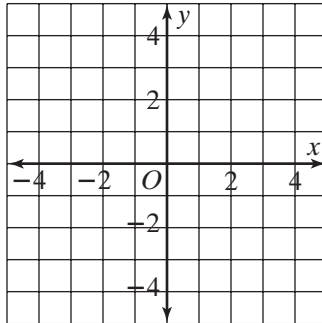
2.

x	y
2	−4
−4	0
−2	3
3	−1

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_____

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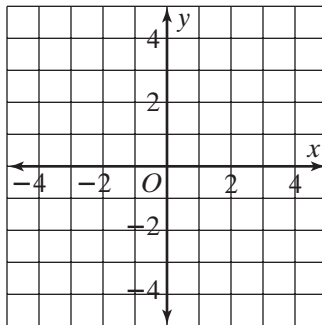
For each relation, list the members of the domain. List the members of the range. Is the relation a function? Explain.

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 is takes you to run a 100-meter race a function of the speed you run? Explain.

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