

LESSON

Reteach

4-2 Relations and Functions

A **relation** is a set of ordered pairs. The relation can be in the form of a table, graph, or mapping diagram. The **domain** is all the x -values. The **range** is all the y -values.

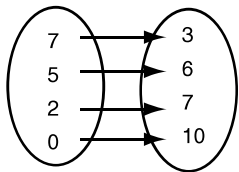
Find the domain and range.

x	3	4	5	6
y	1	2	2	3

D: {3, 4, 5, 6}; R: {1, 2, 3}

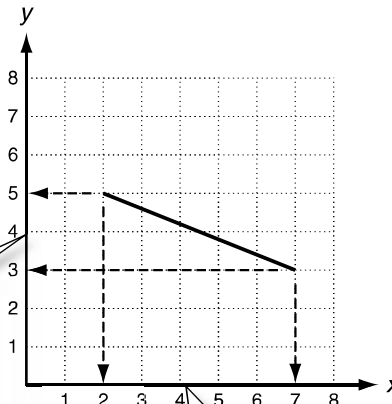
Do not list 2 twice in the range.

Find the domain and range.



D: {7, 5, 2, 0}; R: {3, 6, 7, 10}

Find the domain and range.



range: from 3 to 5

domain: from 2 to 7

D: $2 \leq x \leq 7$
R: $3 \leq y \leq 5$

Find the domain and range of each relation.

1.

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

2. (4, 5) (-2, 6) (-5, 12)

