

**LESSON**  
**1.6**
**Practice A**
*For use with pages 35–41*
**Complete the sentence.**

- The collection of all output values is called the ? of a function.
- The collection of all input values is called the ? of a function.

**Identify the domain and range of the function.**

3.

Input	Output
1	8
3	7
5	6
7	5

4.

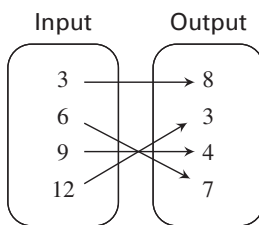
Input	Output
7	4
2	2
5	1
3	5

5.

Input	Output
0.4	15
0.5	13
0.6	11
0.7	9

**Tell whether the pairing is a function.**

6.



7.

Input	Output
6	3
3	1
0	2
3	4

8.

Input	Output
10	9
11	3
12	6
13	9

**Make a table for the function. Identify the range of the function.**

9.  $y = 4x$

Domain: 0, 1, 2, 3

10.  $y = x + 2$

Domain: 11, 15, 22, 27

11.  $y = x - 3$

Domain: 5, 9, 14, 19

- 12. Flower Garden** You have a flat of 12 plants that you are planting in a garden.

- Copy and complete: Each time you put one plant in the garden, you have one less plant in the flat, so ? is a function of ?.
- Write a rule for the number of plants  $y$  you have left in the flat as a function of the number of plants  $x$  you have put in the garden so far.
- Make a table and identify the range of the function.

- 13. Centerpieces** A florist is making centerpieces for a charity event. She is using 9 flowers in each centerpiece. Write a rule for the total number of flowers used as a function of the number of centerpieces created.

- 14. Kickboxing** You join a kickboxing class at a local gym. The cost is \$5 per class plus \$25 for the initial membership fee. Write a rule for the total cost of the class in dollars as a function of the number of classes you attend. How much will it cost if you go to 8 classes?