Date \_\_\_\_\_

Name



### Complete the sentence.

- **1.** The collection of all output values is called the <u>?</u> of a function.
- 2. The collection of all input values is called the <u>?</u> of a function.

4.

7.

## Identify the domain and range of the function.

3.	Input	Output
	1	8
	3	7
	5	6
	7	5

Input	Output	
7	4	
2	2	
5	1	
3	5	

# Tell whether the pairing is a function.



Input	Output
6	3
3	1
0	2
3	4

Input	Output
0.4	15
0.5	13
0.6	11
0.7	9

5.

-			
8.	Input	Output	
	10	9	
	11	3	
	12	6	
	13	9	

ESSON 1.6

### Make a table for the function. Identify the range of the function. 9. v = 4x10. v = x + 211. v = x

•	y = 4x	<b>10.</b> $y = x + 2$	11. $y = x = 3$
	Domain: 0, 1, 2, 3	Domain: 11, 15, 22, 27	Domain: 5, 9, 14, 19

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

- **a.** Copy and complete: Each time you put one plant in the garden, you have one less plant in the flat, so <u>?</u> is a function of <u>?</u>.
- **b.** 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.
- **c.** 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?