

LESSON  
**2**

# Learn the Vocabulary

**Objective** Talk and write about functions and ordered pairs using the vocabulary.

## Learn the Words

A **function** is a rule that tells the relationship between two variables. If you know the value of one of the variables, you can use the rule to find the value of the other variable.

You can write a function as an equation or in words.

Here are some functions:

$$a = 7 + n$$

$a$  is 7 more than  $n$ .

$$s = 3w$$

$s$  is 3 times greater than  $w$ .

$$r = p \div 2$$

$r$  is half of  $p$ .

You can also write a function in a **function table**, which is also called an input-output table, or a table of values.

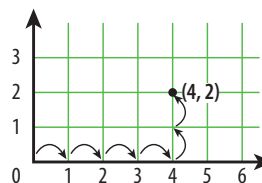
Here is a function table for the function  $a = 7 + n$ :

$n$	1	2	3	4	5
$a$	8	9	10	11	12

An **ordered pair** tells where a point is on a graph.

You write an ordered pair like this:  $(4, 2)$

The first number tells how many steps you go to the right, starting from 0. The second number tells how many steps you go up.



## Practice the Words

**Directions** Complete each sentence. Use the three words given. Answer number 4 in a complete sentence on a separate sheet of paper.

- An \_\_\_\_\_ tells the location of a \_\_\_\_\_ on a \_\_\_\_\_.  
graph    ordered pair    point
- You can make a function \_\_\_\_\_ to show the \_\_\_\_\_ of the \_\_\_\_\_.  
table    variables    values
- A \_\_\_\_\_ is a \_\_\_\_\_ that tells how two variables are \_\_\_\_\_.  
rule    related    function
- Which is not an ordered pair:  $(4, 5)$ ,  $(7, 3)$ , or  $(6, 4, 2)$ ? Write a sentence to explain how you know.