



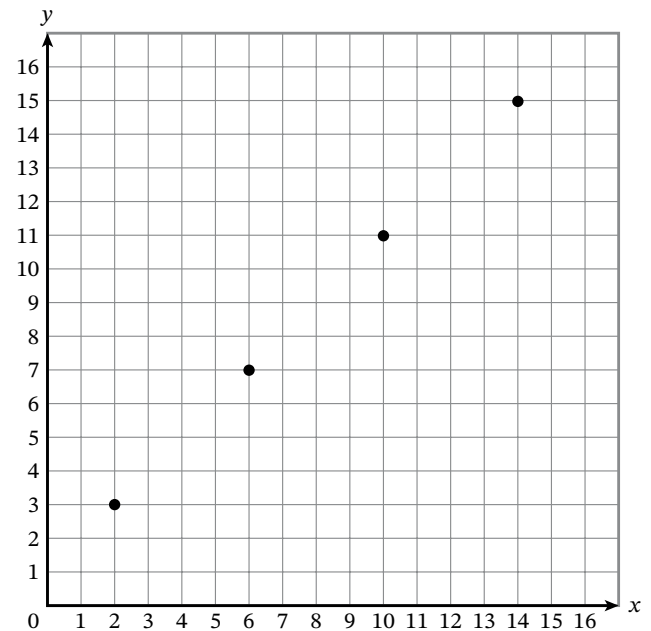
Name \_\_\_\_\_

Date \_\_\_\_\_

1. Use the table and graph to complete parts (a)–(c).

- Rule for the  $x$ -coordinate: Add 4
- Rule for the  $y$ -coordinate: Add 4

$x$ -Coordinate	$y$ -Coordinate	Ordered Pair
2	3	(2, 3)
6	7	(6, 7)
10	11	(10, 11)
14	15	(14, 15)

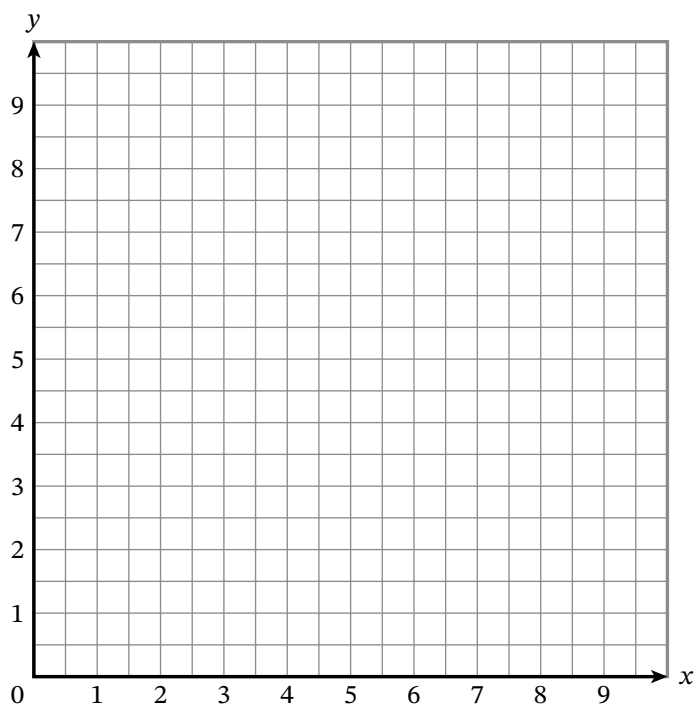


- To get from point (2, 3) to point (6, 7), move right \_\_\_\_\_ units and then move up \_\_\_\_\_ units.
- When the  $x$ -coordinate is 18, the corresponding  $y$ -coordinate is \_\_\_\_\_.
- When the  $y$ -coordinate is 22, the corresponding  $x$ -coordinate is \_\_\_\_\_.

2. Use the table to complete parts (a)–(e).

<b>x-Coordinate</b>	<b>y-Coordinate</b>	<b>Ordered Pair</b>
0	2	(0, 2)
$1\frac{1}{2}$	$3\frac{1}{2}$	$(1\frac{1}{2}, 3\frac{1}{2})$
3	5	(3, 5)
$4\frac{1}{2}$	$6\frac{1}{2}$	$(4\frac{1}{2}, 6\frac{1}{2})$

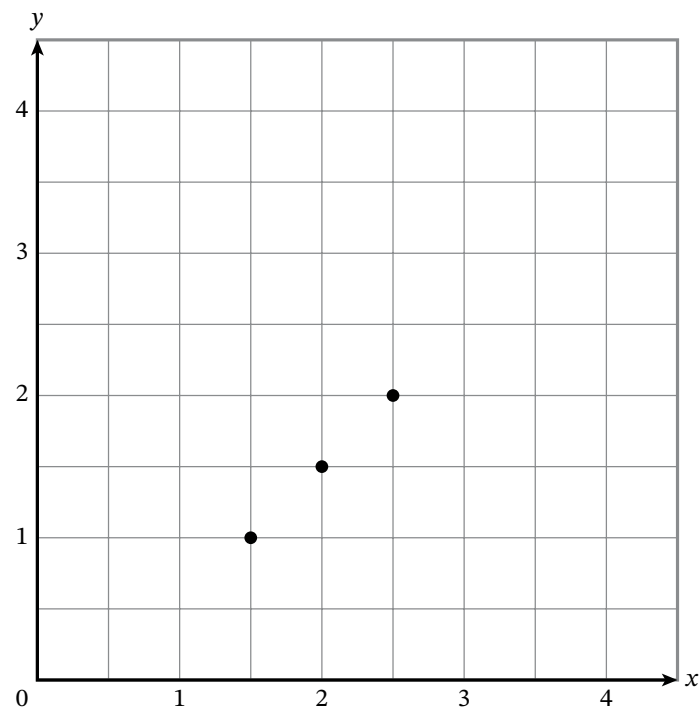
a. Plot points that represent the four ordered pairs in the coordinate plane.



b. What is the rule for the x-coordinate?

- c. What is the rule for the  $y$ -coordinate?
- d. Describe the movement from point  $(3, 5)$  to point  $(4\frac{1}{2}, 6\frac{1}{2})$ .
- e. Fill in the blanks to describe the relationship between the  $x$ - and  $y$ -coordinates.  
The \_\_\_\_\_-coordinates are 2 more than the corresponding \_\_\_\_\_-coordinates.

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3. Use the graph to complete parts (a)–(g).



- a. Describe the movement from one point to the next.
- b. What is the rule for the  $x$ -coordinate?
- c. What is the rule for the  $y$ -coordinate?
- d. Use the rules for the coordinates to plot the next three points in the coordinate plane. What are the ordered pairs for the points?
- e. Fill in the blank to describe the relationship between the  $x$ - and  $y$ -coordinates.
- The  $y$ -coordinates are \_\_\_\_\_ the corresponding  $x$ -coordinates.
- f. When the  $x$ -coordinate is  $16\frac{1}{2}$ , what is the corresponding  $y$ -coordinate?
- g. When the  $y$ -coordinate is  $16\frac{1}{2}$ , what is the corresponding  $x$ -coordinate?