

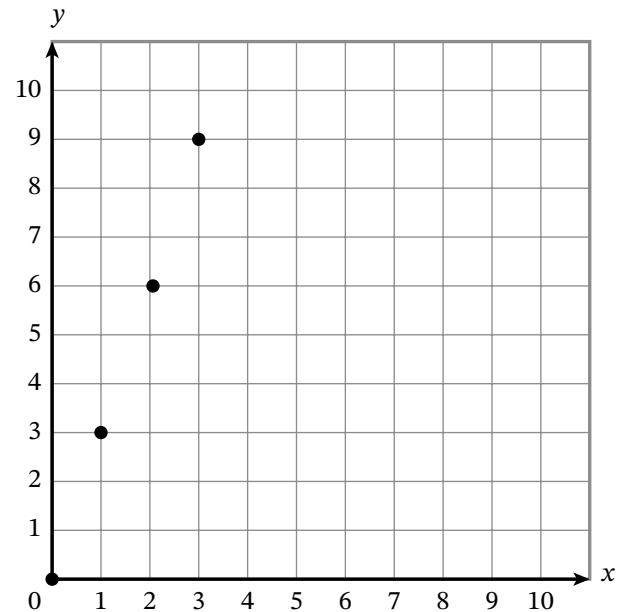


Name _____

Date _____

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

Rule: Add 1 x-Coordinate	Rule: Add 3 y-Coordinate	Ordered Pair
0	0	(0, 0)
1	3	(1, 3)
2	6	(2, 6)
3	9	(3, 9)

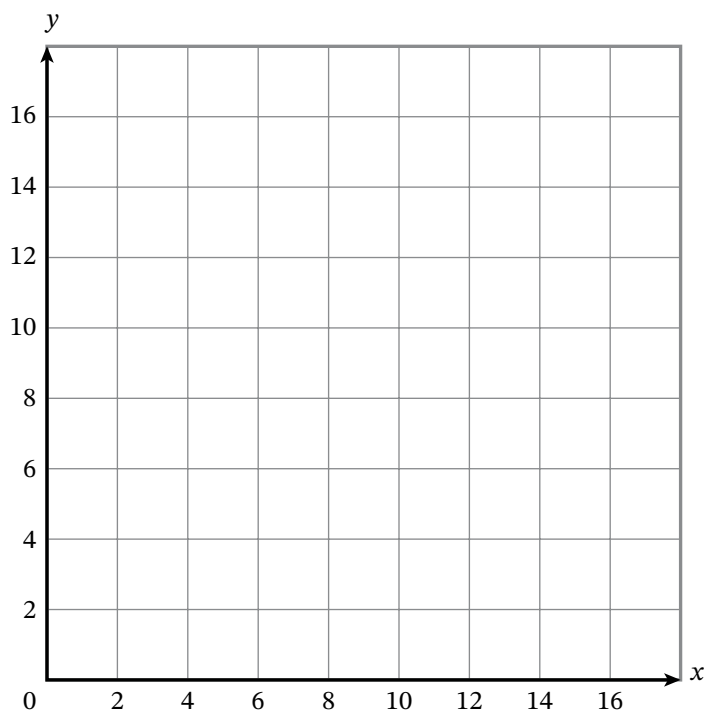


- a. To get from point (0, 0) to point (1, 3), move right _____ units and then move up _____ units.
- b. When the x -coordinate is 4, the corresponding y -coordinate is _____.
- c. When the y -coordinate is 15, the corresponding x -coordinate is _____.

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

x-Coordinate	y-Coordinate	Ordered Pair
4	2	(4, 2)
8	4	(8, 4)
12	6	(12, 6)
16	8	(16, 8)

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



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

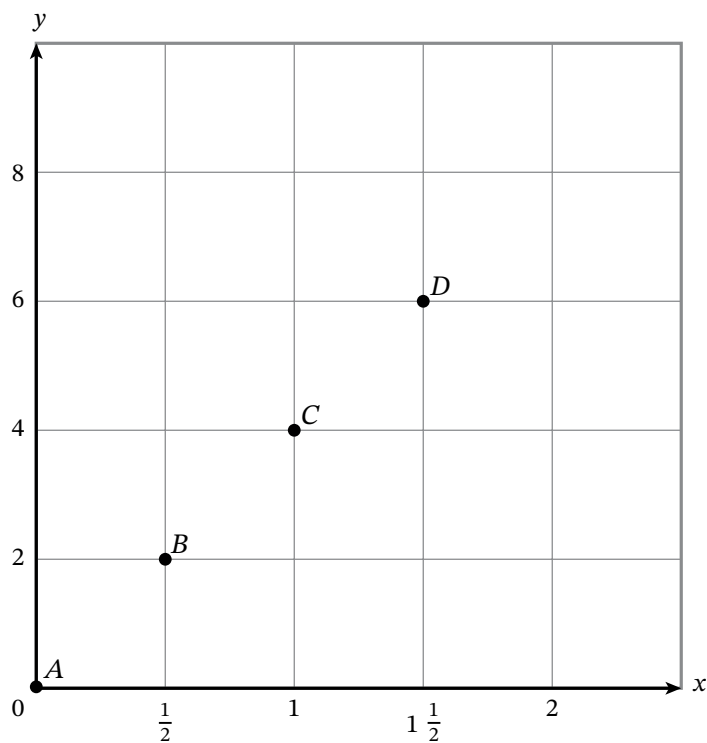
c. What is the rule for the y -coordinate?

d. Describe the movement to get from point $(4, 2)$ to point $(8, 4)$.

e. Fill in the blanks to describe the relationship between the x - and y -coordinates.

The _____-coordinates are $\frac{1}{2}$ as much as the corresponding _____-coordinates.

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



- a. Write the x - and y -coordinates and ordered pairs for points A , B , C , and D .

Point	x -Coordinate	y -Coordinate	Ordered Pair

- b. Every time $\frac{1}{2}$ is added to an x -coordinate, _____ is added to the corresponding y -coordinate.
- c. Describe the movement to get from point C to point D .
- d. Describe the relationship between the x - and y -coordinates.
- e. When the x -coordinate is 6, what is the corresponding y -coordinate?
- f. When the y -coordinate is 16, what is the corresponding x -coordinate?