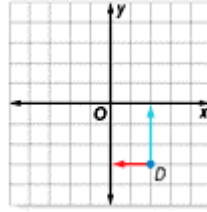


Lesson 4-1

Example 1 Name an Ordered Pair Write the ordered pair for point D .



- Follow along a vertical line through the point to find the x -coordinate on the x -axis.
The x -coordinate is 2.
- Follow along a horizontal line through the point to find the y -coordinate on the y -axis.
The y -coordinate is -3 .

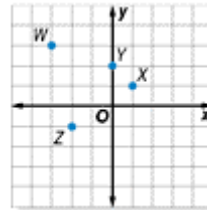
So, the ordered pair for the point D is $(2, -3)$. This can also be written as $D(2, -3)$.

Example 2 Identify Quadrants

Write ordered pairs for points W , X , Y , and Z . Name the quadrant in which each point is located.

Use a table to help find the coordinates of each point.

Point	x -coordinate	y -coordinate	Ordered pair	Quadrant
W	-3	3	$(-3, 3)$	II
X	1	1	$(1, 1)$	I
Y	0	2	$(0, 2)$	none
Z	-2	-1	$(-2, -1)$	III

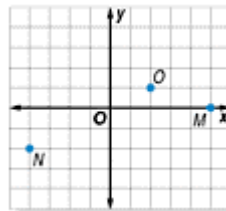


Example 3 Graph Points

Plot each point on a coordinate plane.

a. $M(5, 0)$

- Start at the origin.
- Move right 5 units since the x -coordinate is 5.
- Since the y -coordinate is 0, the point will be located on the x -axis.
- Draw a dot and label it M .



b. $N(-4, -2)$

- Start at the origin.
- Move left 4 units since the x -coordinate is -4 .
- Move down 2 units since the y -coordinate is -2 .
- Draw a dot and label it N .

c. $O(2, 1)$

- Start at the origin.
- Move right 2 units and up 1 unit.
- Draw a dot and label it O .

Example 4 Use a Coordinate System
Use the map of Paris, France and the information below to answer the following questions.



- a. **Name the site that is at (7, 9).**
Locate 7 on the bottom of the map. Follow 7 up until you hit 9 on the side of the map. The site is Tour Eiffel or the Eiffel Tower in English.
- b. **Estimate the coordinates for the Ecole Militaire or the Military School.**
Locate the Ecole Militaire on the map. It is close to 10 on the x -axis and 5 on the y -axis. A good estimate would be (10, 5).