

Lesson Notes

10.1

NAME _____

Module 10 Coordinate Geometry and Spatial Visualization

Lesson 1 Points in a Coordinate Plane

Lesson Objectives

- Use geometric vocabulary (horizontal/ x -axis, vertical/ y -axis, ordered pairs) to describe the location and to plot points in all four quadrants.
- Plot points in the coordinate plane.
- Use ordered pairs to locate points and to organize data.

Subtopic 1 Writing Ordered Pairs for Points in a Coordinate Plane

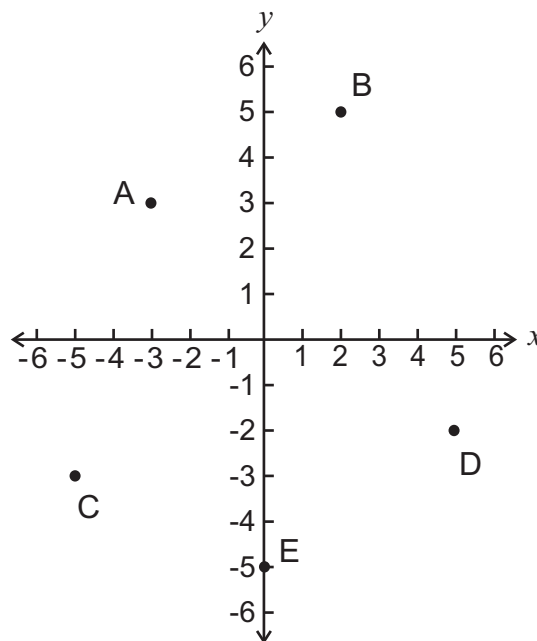
Ordered _____

(____-coordinate, ____-coordinate)

1 Write the ordered pair representing point A .

2 Identify which quadrant contains point D .

3 Identify which quadrant contains point E .



Subtopic 2 Plotting Points in a Coordinate Plane

If the y -coordinate is 0, the point will be plotted on the _____.

If the _____ is 0, the point will be plotted on the y -axis.

4 Plot the ordered pair $(-2, -2)$.

5 Plot the ordered pair $(3, 0)$.

