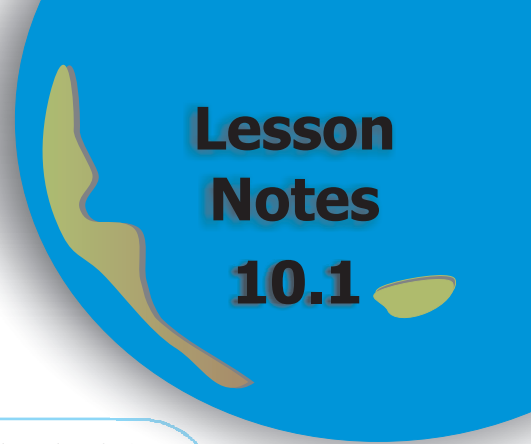


NAME _____

Module 10 Coordinate Geometry and Spatial Visualization

Lesson 1 Points in a Coordinate Plane



Lesson Notes

10.1

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 **Pair**

(x -coordinate, y -coordinate)

1 Write the ordered pair representing point A .

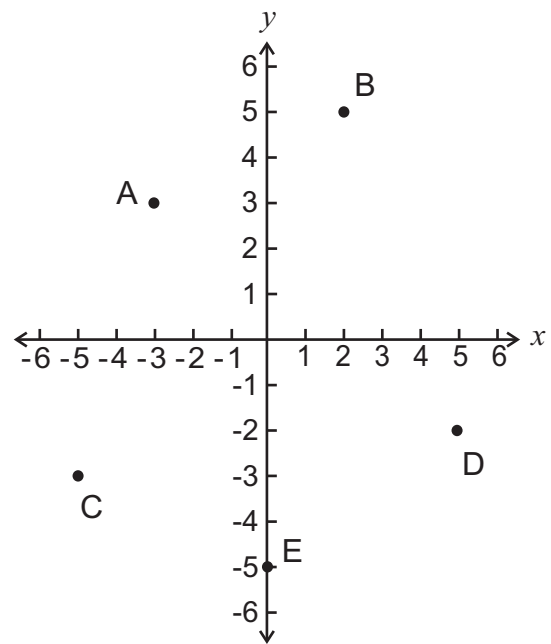
$(-3, 3)$

2 Identify which quadrant contains point D .

Quadrant IV

3 Identify which quadrant contains point E .

No quadrant

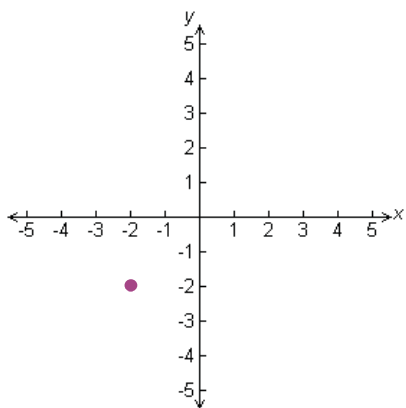


Subtopic 2 Plotting Points in a Coordinate Plane

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

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

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



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

