Typeset by Jonathan Rufo Bacolod using LaTeX

Lesson 1.4.4: Rectangular Coordinate System

Rectangular Coordinate System: constructed by drawing two perpendicular lines wherein the point of intersection is called the *origin*

Coordinate axes: the two perpendicular lines

X-Axis: the horizontal line

Y-Axis: the vertical line

Quadrants: the four regions that divide the plane

Coordinates: the ordered pair of real numbers that corresponds to each point in the plane

X-Coordinate or Abscissa: the first number of the ordered pair

Y-Coordinate or Ordinate: the second number of the ordered pair

Practice Exercises 1.4.4

A. Name the point that has the coordinates.

1. (0, 4)
2. (-2, -1)
3. (0, -6)
4. (-5, -4)
5. (1, 6)

B. Write the coordinates of each point.

1. E
2. B
3. G
4. D
5. H

C. Determine the quadrant or axis where each point is located.

1. A
2. B
3. C
4. D
5. E

Activity 1.4.4

A. Name the point that has the coordinates.

1. (7, -8)
2. (-7, 3)
3. (0, 8)
4. (-6, -9)
5. (2, 9)

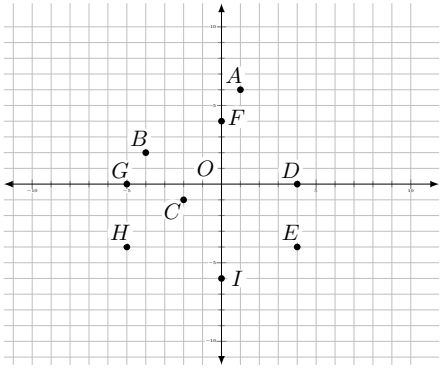
B. Write the coordinates of each point.

1. C
2. A
3. F
4. D
5. H

C. Determine the quadrant or axis where each point is located.

1. H
2. G
3. F
4. E
5. D

For Practice Exercises



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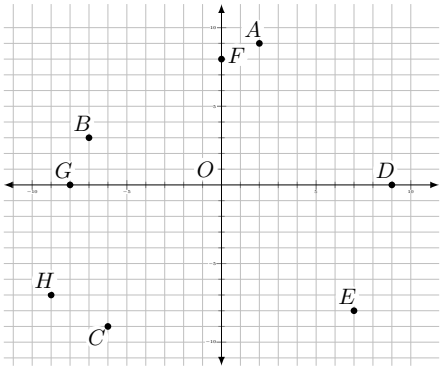

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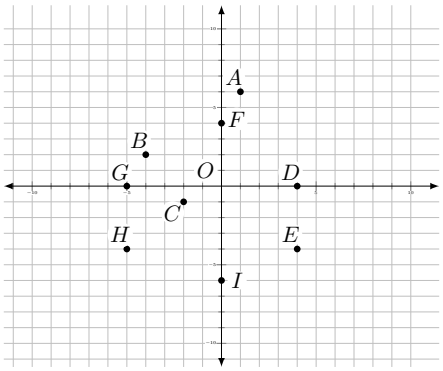
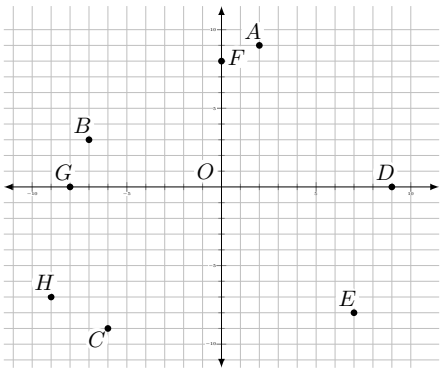
For Activity