

4.7 The Coordinate Plane

Chapter 4: Integers and the Coordinate Plane

Name: _____

Date: _____

Class/Period: _____

Problem 4.101 Directions:

Identify the quadrant or axis for each point.

$(2, 4)$

Problem 4.104 Directions:

Identify the quadrant or axis for each point.

$(-3, -10)$

Problem 4.102 Directions:

Identify the quadrant or axis for each point.

$(-6, 3)$

Problem 4.105 Directions:

Identify the quadrant or axis for each point.

$(0, -9)$

Problem 4.103 Directions:

Identify the quadrant or axis for each point.

$(3, -6)$

Problem 4.106 Directions:

Identify the quadrant or axis for each point.

$(-9, 0)$

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Problem 4.107 Directions:

Identify the quadrant or axis for each point.

Reflect $(5, 3)$ across the y -axis.

Problem 4.110 Directions:

Identify the quadrant or axis for each point.

A point has $x = 0, y = 8$. Name it.

Problem 4.108 Directions:

Identify the quadrant or axis for each point.

Reflect $(-7, 2)$ across the x -axis.

Problem 4.111 Directions:

Identify the quadrant or axis for each point.

A point is 5 left and 2 down from the origin. Name it.

Problem 4.109 Directions:

Identify the quadrant or axis for each point.

Reflect $(-4, -6)$ across the origin.

Problem 4.112 Directions:

Identify the quadrant or axis for each point.

A point has equal positive coordinates and $x = 7$. Name it.

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Problem 4.113 Directions:

Identify the quadrant or axis for each point.

Plot $A(5, 3)$, $B(-5, 3)$, $C(-5, -3)$, $D(5, -3)$. Name the shape and its lines of symmetry.

Problem 4.116 Directions:

Identify the quadrant or axis for each point.

Find every point on an axis that is 6 units from the origin.

Problem 4.114 Directions:

Identify the quadrant or axis for each point.

Find the missing vertex of a rectangle with vertices $(2, 6)$, $(2, -1)$, $(-4, 6)$.

Problem 4.117 Directions:

Identify the quadrant or axis for each point.

A point is reflected across the x -axis and then the y -axis. Describe the final coordinates in terms of (x, y) .

Problem 4.115 Directions:

Identify the quadrant or axis for each point.

Point $P(a, b)$ is in Quadrant III. State the signs of a , b , $-a$, $-b$.

Problem 4.118 Directions:

Identify the quadrant or axis for each point.

Which points satisfy $x < 1$ and $y > -2$: $(-3, 4)$, $(0, -1)$, $(2, 5)$, $(-1, -4)$?