

Coordinate Plane (Four Quadrants)

Geometry · Grade 6

Score: _____ / 10

● Easy · 10 Questions

Solve each problem. Show your work in the space provided. Write your answer on the line.

1. In which quadrant is the point (5, 3)?

Answer: _____

2. Name the four quadrants and describe the sign of (x, y) in each.

Answer: _____

3. In which quadrant is the point $(-4, 2)$?

Answer: _____

4. In which quadrant is the point $(3, -7)$?

Answer: _____

5. In which quadrant is the point $(-6, -2)$?

Answer: _____

6. What are the coordinates of the origin?

Answer: _____

7. On which axis does the point $(0, 5)$ lie?

Answer: _____

8. On which axis does the point $(-3, 0)$ lie?

Answer: _____

9. What is the x-coordinate of $(7, -2)$?

Answer: _____

10. What is the y-coordinate of $(-4, 9)$?

Answer: _____

Answer Key

Coordinate Plane (Four Quadrants) — Easy

1. Quadrant I (both x and y are positive).

Quadrant I: $x > 0$ and $y > 0$. $(5, 3)$ has both positive $\rightarrow$ Quadrant I.

2. Q I: (+,+), Q II: (-,+), Q III: (-,-), Q IV: (+,-).

Going anti-clockwise from top right: Q I(+,+), Q II(-,+), Q III(-,-), Q IV(+,-).

3. Quadrant II

$x < 0$ and $y > 0 \rightarrow$ Quadrant II.

4. Quadrant IV

$x > 0$ and $y < 0 \rightarrow$ Quadrant IV.

5. Quadrant III

Both negative $\rightarrow$ Quadrant III.

6. (0, 0)

The origin is where the x-axis and y-axis meet: $(0, 0)$.

7. y-axis

When $x = 0$, the point is on the y-axis.

8. x-axis

When $y = 0$, the point is on the x-axis.

9. 7

The first number in (x, y) is the x-coordinate.

10. 9

The second number in (x, y) is the y-coordinate.