



QUICK DRILL · CBSE CLASS 9

Coordinate Geometry

Mathematics · Chapter 3 · 15 MCQs · 20 minutes · PYQ-tagged with time budgets

DATE _____	TOTAL MARKS 15	DURATION 20 min	MARKING +1 / 0	TARGET ≥ 12/15
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OBJECTIVES

Reinforce the four core topics of Coordinate Geometry via 15 PYQ-derived MCQs. Identify weak sub-topics via concept-node IDs (see answer key). Build per-question time budget habit.

INSTRUCTIONS

Attempt all 15. Time budget shown per Q (use it as pacing guide). Mark answers (A/B/C/D) in the margin. Answer key + explanations on the last page. **Don't peek — score yourself honestly.**

SECTION · QUICK DRILL

Q 1-15 · 20 MIN

Q1. In which quadrant does the point $(-3, 5)$ lie?

(A) I

(C) III

PYQ 2024 · SQP · 1m · 30s

(B) II

(D) IV

Q2. The point $(0, -7)$ lies

(A) In Quadrant III

(C) On the y-axis

PYQ 2023 · Annual · 1m · 30s

(B) In Quadrant IV

(D) On the x-axis

Q3. Abscissa of the point $(-4, 6)$ is(A) -4 (C) 4

PYQ 2022 · Periodic Test · 1m · 30s

(B) 6 (D) -6

Q4. The origin lies

(A) On both axes

(C) In Quadrant I

PYQ 2021 · Periodic Test · 1m · 30s

(B) In Quadrant II

(D) On no axis

Q5. Signs of the coordinates of a point in the third quadrant are

(A) $(+, +)$ (C) $(-, -)$

PYQ 2022 · SQP · 1m · 30s

(B) $(-, +)$ (D) $(+, -)$

Q6. Ordinate of the point lying on the x-axis is always

(A) Positive

(C) One

PYQ 2020 · Periodic Test · 1m · 30s

(B) Negative

(D) Zero

Q7. Coordinates of a point on the x-axis at a distance 5 units to the left of the origin are

(A) $(-5, 0)$ (C) $(0, -5)$

PYQ 2023 · Annual · 1m · 45s

(B) $(0, 5)$ (D) $(5, 0)$ Q8. The point $P(5, -2)$ lies in

(A) Quadrant I

(C) Quadrant III

PYQ 2023 · Periodic Test · 1m · 30s

(B) Quadrant II

(D) Quadrant IV

Q9. Which of the following points lies in Quadrant III?

(A) $(4, -3)$ (C) $(7, 2)$

PYQ 2024 · Periodic Test · 1m · 30s

(B) $(-2, 5)$ (D) $(-6, -1)$ Q10. If the abscissa of a point is 7 and the ordinate is -3 , the coordinates of the point are(A) $(-3, 7)$ (C) $(-7, 3)$

PYQ 2022 · Periodic Test · 1m · 30s

(B) $(7, -3)$ (D) $(3, -7)$

- Q11.** The two axes of the Cartesian plane meet at
(A) Vertex (B) Focus
(C) Origin (D) Centre
PYQ 2021 · SQP · 1m · 30s

- Q12.** How many quadrants does the Cartesian plane have?
(A) 4 (B) 3
(C) 2 (D) 8
PYQ 2020 · Annual · 1m · 30s

- Q13.** Mirror image of (4, 3) in the x-axis is
(A) (-4, 3) (B) (4, -3)
(C) (-4, -3) (D) (3, 4)
PYQ 2024 · Annual · 2m · 45s

- Q14.** Point P(-5, 0) lies
(A) On the positive x-axis (B) On the negative y-axis
(C) On the positive y-axis (D) On the negative x-axis
PYQ 2019 · Periodic Test · 1m · 45s

- Q15.** Ordinate of the point (-2, 9) is
(A) -2 (B) 9
(C) 2 (D) -9
PYQ 2023 · SQP · 1m · 30s

ANSWER KEY & EXPLANATIONS

Q 1-15 · MARK YOUR SCORE

Q1. Answer: B

$x = -3$ (negative), $y = 5$ (positive). Sign pattern (-, +) corresponds to Quadrant II.

Q2. Answer: C

x-coordinate is 0, so the point lies on the y-axis (7 units below origin).

Q3. Answer: A

Abscissa = x-coordinate = -4.

Q4. Answer: A

Origin (0, 0) is the intersection of the x-axis and y-axis, so it lies on both axes and in no quadrant.

Q5. Answer: C

Quadrant III is bottom-left: both x and y are negative.

Q6. Answer: D

On the x-axis the vertical distance from x-axis is zero, so y-coordinate (ordinate) is 0.

Q7. Answer: A

Point is on x-axis so $y = 0$. 'Left of origin' means x is negative; distance 5 gives $x = -5$. Coordinates: (-5, 0).

Q8. Answer: D

$x = 5$ (positive), $y = -2$ (negative). Sign (+, -) means Quadrant IV.

Q9. Answer: D

Quadrant III needs both coordinates negative. Only (-6, -1) satisfies this.

Q10. Answer: B

Coordinates are written as (abscissa, ordinate) = (7, -3).

Q11. Answer: C

The intersection of the x-axis and y-axis is called the origin.

Q12. Answer: A

The two perpendicular axes divide the plane into 4 quadrants labelled I, II, III, IV.

Q13. Answer: B

Reflection in x-axis flips the sign of the y-coordinate. (4, 3) becomes (4, -3).

Q14. Answer: D

$y = 0$ means the point lies on the x-axis. $x = -5$ (negative) means 5 units to the LEFT of origin, on the negative x-axis.

Q15. Answer: B

Ordinate = y-coordinate = 9.