

BOARD-PATTERN PRACTICE PAPER · CBSE CLASS 9

Coordinate Geometry

Mathematics · Chapter 3 · Matches current CBSE blueprint · Each question PYQ-sourced where indicated

DATE _____	TOTAL MARKS 25	DURATION 60 min	MARKING As per board	TARGET ≥ 20/25
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GENERAL INSTRUCTIONS

1. All questions are compulsory.
2. Section A carries 1 mark questions; Section B carries 2 mark questions; Section C carries 3 mark questions; Section D carries a 5 mark long-answer question.
3. Use of calculators is not permitted.
4. All plotting must be on graph paper or ruled squared paper with axes clearly labelled.

Section A — Very Short Answer

4 MARKS · 8 MIN

- Q1.** Write the quadrant in which the point $(-2, -7)$ lies. [PYQ 2023 Periodic Test] **[1 mark]**
- Q2.** What is the ordinate of every point on the x-axis? [PYQ 2022 Annual] **[1 mark]**
- Q3.** Write the coordinates of the origin. [PYQ 2020 SQP] **[1 mark]**
- Q4.** Name the point whose abscissa is 6 and ordinate is 0. [PYQ 2021 Annual] **[1 mark]**

Section B — Short Answer I

6 MARKS · 15 MIN

- Q5.** Write the signs of the coordinates of a point lying in each of the four quadrants. [PYQ 2022 SQP] **[2 marks]**
- Q6.** Write the mirror image of the point $(-3, 4)$ in (i) the x-axis (ii) the y-axis. [PYQ 2024 Annual] **[2 marks]**
- Q7.** Find the distance of the point $(-5, -3)$ from (i) the x-axis (ii) the y-axis. [PYQ 2023 Periodic Test] **[2 marks]**

Section C — Short Answer II

6 MARKS · 17 MIN

- Q8.** Plot the points $A(2, 3)$, $B(-2, 3)$, $C(-2, -3)$, $D(2, -3)$ and name the figure ABCD. Justify your answer. [PYQ 2023 Periodic Test] **[3 marks]**
- Q9.** Plot the points $P(0, 5)$, $Q(5, 0)$, $R(0, -5)$, $S(-5, 0)$. Name the figure PQRS and find its area in square units. [PYQ 2024 Annual] **[3 marks]**

Section D — Long Answer

9 MARKS · 20 MIN

- Q10.** (a) Define the Cartesian plane, naming all its parts. (b) Plot the points $A(3, 2)$, $B(-3, 2)$, $C(-3, -2)$, $D(3, -2)$ on a graph and name the figure ABCD. (c) Find the length of each side of ABCD. (d) Find the area of ABCD. [PYQ 2024 Annual] **[5 marks]**
- Q11.** Write the coordinates of any FOUR points that satisfy ALL of: (i) abscissa is the negative of the ordinate, (ii) the point lies in Quadrant II OR Quadrant IV. Plot these four points and state what kind of figure (line, curve, or scattered points) they form. [PYQ 2023 SQP] **[4 marks]**

Marking scheme & model answers — see companion Answer Key PDF · all PYQs traceable to actual CBSE papers · [readyforboards.com](https://www.readyforboards.com) · +91 70330 05444