

By. Er. Dharmendra Sir

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DPM CLASSES

6th to 10th (Math's & Science), 11th & 12th (Physics, Chemistry, Math's)

TEST - PAPER (CBSE/NCERT)

COORDINATE GEOMETRY

SESSION -2024-25

CLASS - 9th

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Time : 1 hr :- Coordinate Geometry :- mm.

Q.1. Plot the points (x, y) given by the following table

x	2	4	-3	-2	3	0
y	4	2	0	5	-3	0

Q.2. Plot the following points and check whether they are collinear or not $(1, 3)$, $(-1, 1)$, $(-2, -3)$

Q.3. Without plotting the points indicate the quadrant in which they will lie, if

(i) ordinate is 5 and abscissa is -3

(ii) abscissa is -5 and ordinate is 3



Q.4. In which quadrant or on which axis each of the following points lie?

(i) $(-3, 5)$, (ii) $(-3, -6)$ (iii) $(2, 0)$

Q.5. Which of the following points lies on y-axis?

 $A(1, 1)$, $B(1, 0)$, $C(0, 1)$, $D(0, 0)$, $E(0, -1)$, $F(-1, 0)$, $G(0, 5)$, $H(-7, 0)$ and $I(3, 3)$

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Q.6. Plot the points (x, y) given by the following table, use scale $1\text{ cm} = 0.25\text{ unit}$.

x	1.25	0.25	1.5	-1.75
y	-0.5	1	1.5	-0.25



Q.7. Find the coordinates of the point

- (i) which lie on x and y -axis both
- (ii) whose ordinate is -4 and which lies on y -axis.
- (iii) whose abscissa is 5 and which lie on x -axis.

Q.8. Plot the points $P(1, 0)$, $Q(4, 0)$ and $S(1, 3)$. Find the coordinates of the point R such that $PQRS$ is a square.



Q.9. Points $A(5, 3)$, $B(-2, 3)$ and $D(5, -4)$ are three vertices of a square $ABCD$. Plot these points on a graph paper and hence, find the coordinates of the vertex C .

Q.10. Write the coordinates of the vertex of a rectangle whose length and breadth are 5 and 3 unit. One vertex at the origin, the longer side lies on the x -axis and one of the vertex lies in the third quadrant.

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