

By. Er. Dharmendra Sir

7974073108, 9584873492

DPM CLASSES

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

TEST - PAPER (CBSE/NCERT)

CO-ORDINATE GEOMETRY

SESSION -2024-25

CLASS - 10th

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Time : 1 hr ∴ Co-ordinate Geometry :- mm : 50

Q. 1. Find the distance between the points $(0,0)$ and $(36,15)$.

Q. 2. Determine if the points $(1,5)$, $(2,3)$, $(-2,-11)$ are collinear.

Q. 3. Find the co-ordinates of a point A where AB is the diameter of a circle whose centre is $(2,-3)$ and B is $(1,4)$.



Q. 4. Find the mid point of (a,b) and $(-a,-b)$.

Q. 5. Find the point on x-axis which is equidistant from $(2,-5)$ and $(-2,9)$.



Q. 6. Find the values of y for which the distance between the points $P(2,-3)$ and $Q(10,y)$ is 10 units.

Q. 7. Find the relation between x and y such that the point (x,y) is equidistant from the points $(3,6)$ and $(-3,4)$.

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Q.8 Find the ratio in which the y-axis divides the line segment joining the points $(5, -6)$ and $(-1, 4)$ also find the point of intersection.

Q.9. If the points $A(6, 1)$, $B(8, 2)$, $C(9, 4)$ and $D(P, 3)$ are the vertices of a parallelogram taken in order, find the value of P .

Q.10. Find the co-ordinates of the point which divides the join of $(-1, 7)$ and $(4, -3)$ in the ratio $2:3$.



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