



INDIAN SCHOOL AL WADI AL KABIR

Class IX, Mathematics

Worksheet- COORDINATE GEOMETRY-MCQ

20-04-2026

OBJECTIVE TYPE (1 Mark)

Q.1	The distance between the points A (0,6) and B(0, -2) is:							
	A	2	B	6	C	4	D	8
Q.2.	If the coordinates of the two points are P (-10, -8) and Q (5, -9), then (ordinate of Q) – (abscissa of P) is							
	A	-19	B	1	C	-1	D	4
Q.3.	Ordinate of (5, -3)							
	A	5	B	-5	C	3	D	-3
Q.4.	The points (-7, -2) and (4, -9) lie in the							
	A	II and II quadrants respectively	B	I and III quadrants respectively.	C	III and IV quadrants respectively.	D	I and IV quadrant respectively.
Q.5.	What is the distance of the point (3, -2) from y-axis?							
	A	2 units	B	3 units	C	1 unit	D	5 units
Q.6.	Name the quadrant in which the point P (x, y) lies when $x > 0, y < 0$ is:							
	A	I	B	II	C	III	D	IV
Q.7.	If $(2, 3b) = (-a, 27)$, then the what are the values of a and b?							
	A	(-2, 9)	B	(2, -9)	C	(-2, -9)	D	(-9, 2)
Q.8	The distance between the points (-3, 4) and (0, 0) is:							
	A	1 units	B	7 units	C	5 units	D	4 units
Q.9	Which of the following points does not lie in any quadrant?							
	A	(1, 2)	B	(4, 4)	C	(-2, 1)	D	(0, 7)
Q.10	The end points of diameter of a circle are (2, 4) and (-3, -1). The radius of the circle is:							
	A	$5\sqrt{5}$	B	$5\sqrt{2}$	C	$2\sqrt{5}$	D	$2\sqrt{5}$

Q.11	Write the co-ordinates of a point which lies on x-axis and is at a distance of 5 units to the left of the origin.							
	A	(0,5)	B	(5,0)	C	(0,-5)	D	(-5,0)
Q.12	The coordinates of the midpoint of the line segment joining the points (-8,6) and (4,8) is:							
	A	(-2,7)	B	(2,-7)	C	(-6,7)	D	(-7,6)
Q.13	The coordinates of a point is (-5, 7). Its distance from X-axis is:							
	A	5 units	B	2units	C	7 units	D	12 units
Q.14	Point A(-5, 6) is at a distance of _____ units from the origin.							
	A	61	B	11	C	$\sqrt{61}$	D	$\sqrt{11}$
Q.15	The point which lies on the perpendicular bisector of the line segment joining the points A(-2, -5) and B(2, 5) is:							
	A	(2,7)	B	(0,0)	C	(2,0)	D	(2,2)
DIRECTION: In the following questions, a statement of assertion (A) is followed by statement of Reason (R). Choose the correct option								
(a) Both assertion (A) and reason (R) are true and reason (R) is the correct explanation of assertion (A)								
(b) Both assertion (A) and reason (R) are true and reason (R) is not the correct explanation of assertion (A)								
(c) Assertion (A) is true but reason (R) is false.								
(d) Assertion (A) is false but reason (R) is true								
Q.16	Assertion: If the points A (4,3) and B(x, 5) lie on a circle with center O(2,3), then the value of x is 2. Reason: Centre of the circle is the mid-point of each chord of the circle.							
Q.17	Assertion: A triangle with vertices (4,0), (-1, -1) and (3, 5) is isosceles right-angled triangle. Reason: If ABC is an isosceles triangle, then it is right angled.							

Answers

Answers	1	D	2	B	3.	D	4	C
	5	B	6	D	7	A	8	C
	9	D	10	B	11	D	12	A
	13	C	14	C	15	B	16	C
	17	C						
