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Department: Mathematics

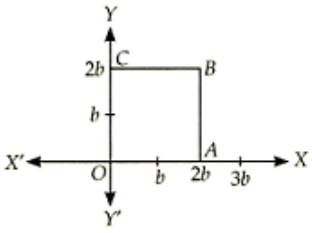
Worksheet – Coordinate Geometry (MCQ)

Class IX

28-08-2024

Questions of 1 mark each

Q.1.	The point whose ordinate is 8 and lies on y-axis is							
	A	(0, 8)	B	(8, 0)	C	(5, 8)	D	(8, 5)
Q.2.	The perpendicular distance of a point P (4, 7) from the y-axis is							
	A	7 units	B	4 units	C	11 units	D	3 units
Q.3.	A point $(x + 2, x + 4)$ lies in the first quadrant, the mirror image of this point with respect to x-axis is $(5, -7)$. Then the value of x is							
	A	1	B	-1	C	2	D	3
Q.4.	If the coordinates of two points are P (-2, 3) and Q (-3, 5), then (abscissa of P) – (abscissa of Q) is							
	A	-1	B	-5	C	1	D	-2
Q.5.	If the x-coordinate of a point is zero, then this point lies							
	A	In I Quadrant	B	On X - axis	C	In II Quadrant	D	On Y-axis
Q.6.	If the point A (2, 0), B (-6, 0) and C (3, a -3) lie on x-axis, then the value of a is							
	A	3	B	-3	C	0	D	2
Q.7.	If p (a, b) lies in II quadrant then which of the following is true about a and b?							
	A	$a > 0, b > 0$	B	$a > 0, b < 0$	C	$a < 0, b > 0$	D	$a < 0, b < 0$
Q.8.	Abscissa of a point is positive in							
	A	I quadrant only	B	II quadrant only	C	I and II quadrants	D	I and IV quadrants

Q.9.	If side of the square OABC is $2b$ units, then coordinates of B are						
							
	A	$(2b, 0)$	B	$(0, 2b)$	C	$(2b, 2b)$	D $(0, 0)$
Q.10.	The point which lies on y-axis at a distance of 10 units in the negative direction of y-axis is						
	A	$(0, -10)$	B	$(0, 10)$	C	$(-10, 0)$	D $(10, 0)$
Q.11.	If the perpendicular distance of a point from X- axis is 5 units and foot of the perpendicular lies on the negative direction of X- axis, then the						
	A	abscissa is -5	B	ordinate is 5 or -5	C	ordinate is 5 only	D ordinate is -5 only
<u>ASSERTION AND REASONING</u> DIRECTION: A statement of Assertion (A) is followed by a 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.12.	Assertion: The point $(-5, 0)$ lies on y-axis and $(0, -4)$ lies on x-axis. Reason: Every point on the x -axis has zero distance from x -axis and every point on the y -axis has zero distance from y -axis.						

ANSWERS							
Q.1	A	Q.2	B	Q.3	D	Q.4	C
Q.5	D	Q.6	A	Q.7	C	Q.8	D
Q.9	C	Q.10	A	Q.11	B	Q.12	d