

X-Mathematics Assignment No-08-Co-ordinate Geometry.

M.C.Q.

- Q1. The number of quadrants in the Co-ordinate System are
 (i) 1 (ii) 2 (iii) 3 (iv) 4
- Q2. The distance from origin to any point on x-axis is
 (i) x (ii) y (iii) $\sqrt{x^2+y^2}$ (iv) none of these
- Q3. The Co-ordinate of origin is
 (i) (0, 1) (ii) (1, 0) (iii) (0, 0) (iv) none of these
- Q4. The Co-ordinate of any point in the third quadrant is
 (i) (x, y) (ii) (-x, y) (iii) (x, -y) (iv) (-x, -y)
- Q5. The distance between R(x+y, x-y) and S(x-y, -x-y) is
 (i) $2\sqrt{x^2+y^2}$ (ii) $\sqrt{x^2+y^2}$ (iii) $\sqrt{x^2-y^2}$
 (iv) $2\sqrt{x^2-y^2}$

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Q6. If the distance between $P(a, 0)$ and $Q(0, x)$ is $\sqrt{a^2 + b^2}$, the value of x are

- (i) $\pm a$ (ii) $\pm b$ (iii) $(a, 0)$ (iv) $(0, b)$

Q7. The Centre of a circle is $(3, 6)$. One end of the largest chord is $(4, 8)$. The Co-ordinate of other end of the chord is

- (i) $(2, 4)$ (ii) $(-2, 4)$ (iii) $(-2, -4)$ (iv) $(4, 2)$

Q8. Are the following points Collinear?
 $A(-2, -2)$, $B(1, 1)$, $C(6, 6)$

- (i) No (ii) Yes (iii) None of these.

Q9. The Co-ordinate of mid point of $A(3, 2)$ and $B(-3, 2)$ is

- (i) $(0, 4)$ (ii) $(6, 0)$ (iii) $(0, 2)$ (iv) $(0, -4)$

Q10. The area of Δ whose Co-ordinates are $A(-2, 5)$, $B(0, 1)$, $C(2, -3)$ is

- (i) 4 sq. units (ii) 3 sq. units (iii) 1 sq. units (iv) 0

ANSWERS →	(Q1) (iv)	(Q4) (iv)	(Q7) (i)	(Q10) (iv)
	(Q2) (i)	(Q5) (i)	(Q8) (ii)	
	(Q3) (iii)	(Q6) (ii)	(Q9) (iii)	