

X- Mathematics Assignment No.-09-Co-ordinate Geometry.

- Q1. The distance of the point $(3, 4)$ from the Origin is
 (i) 5 units (ii) 6 units (iii) 7 units (iv) 4 units
- Q2. The distance of the point $P(-3, -4)$ from X-axis is
 (i) -4 units (ii) 4 units (iii) 3 units (iv) -3 units
- Q3. If the point $P(-4, 1)$ divides the line segment joining the points $A(2, -2)$ and B in the ratio $3:5$, the co-ordinate of the point B is
 (i) $(14, -6)$ (ii) $(-14, 8)$ (iii) $(-14, 6)$, (iv) $(-14, -6)$
- Q4. If the points $(8, 1)$, $(k, -4)$ and $(2, -5)$ are collinear then the value of k is
 (i) $k = -3$ (ii) $k = -2$ (iii) $k = 2$ (iv) $k = 3$
- Q5. The centroid of a triangle whose co-ordinates are $A(3, 1)$, $B(5, 4)$, $C(7, -2)$ is
 (i) $(5, 1)$ (ii) $(5, 1)$ (iii) $(5, -1)$ (iv) $(-5, -1)$

- Q6. The ratio, in which the line segment joining the points $A(-5, -6)$ and $B(3, 2)$ is divided by x -axis, is
- (i) 1:3 (ii) 3:1 (iii) 1:4 (iv) 1:5
- Q7 A is a point on y -axis whose Ordinate is 5 and the point B is $(3, 1)$, the length AB is
- (i) 7 units (ii) 6 units (iii) 5 units (iv) 4 units
- Q8. The point on x -axis which is Equidistant from $A(-2, 3)$ and $B(5, 4)$ is
- (i) $(0, 2)$ (ii) $(1, 2)$ (iii) $(2, 2)$ (iv) $(2, 0)$
- Q9. If the distance between the points $(a, -5)$ and $(2, 7)$ is 13 units, the value of a is
- (i) 7, -3 (ii) -7, 3 (iii) -7, -3 (iv) 7, 3
- Q10. If the Co-ordinate of the centroid, of a \triangle whose Vertices are $A(5, 2)$ $B(3, -4)$, is $G(5, 0)$. The Co-ordinate of C is
- (i) $(7, -2)$ (ii) $(7, 2)$ (iii) $(-7, 2)$ (iv) $(-7, -2)$

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