EduSahara™ Assignment

Name : Cartesian System

Chapter : Co-Ordinate Geometry

Grade : SSC Grade IX

1. In a coordinate geometry plane, the horizontal reference line is called
   (i) origin (ii) abscissa (iii) x-axis (iv) ordinate (v) y-axis

2. In a coordinate geometry plane, the vertical reference line is called
   (i) ordinate (ii) origin (iii) y-axis (iv) x-axis (v) abscissa

3. The x-coordinate of a point is also called as
   (i) x-axis (ii) y-axis (iii) abscissa (iv) origin (v) ordinate

4. The y-coordinate of a point is also called as
   (i) abscissa (ii) y-axis (iii) ordinate (iv) x-axis (v) origin

5. The point $(6,2)$ lies in
   (i) fourth quadrant (ii) second quadrant (iii) third quadrant (iv) first quadrant

6. The point $((-2),6)$ lies in
   (i) first quadrant (ii) fourth quadrant (iii) third quadrant (iv) second quadrant

7. The point $((-5),(-5))$ lies in
   (i) third quadrant (ii) second quadrant (iii) fourth quadrant (iv) first quadrant

8. The point $(2,(-4))$ lies in
   (i) second quadrant (ii) fourth quadrant (iii) third quadrant (iv) first quadrant

9. If point P(x,y) lies in the first quadrant, then
   (i) x is negative and y is negative (ii) x is positive and y is positive (iii) x is negative and y is positive
   (iv) x is positive and y is negative

10. If point P(x,y) lies in the second quadrant, then
    (i) x is positive and y is positive (ii) x is negative and y is negative (iii) x is positive and y is negative
    (iv) x is negative and y is positive

11. If point P(x,y) lies in the third quadrant, then
    (i) x is positive and y is positive (ii) x is negative and y is negative (iii) x is negative and y is positive
    (iv) x is positive and y is negative

12. If point P(x,y) lies in the fourth quadrant, then
    (i) x is negative and y is positive (ii) x is positive and y is positive (iii) x is negative and y is negative
    (iv) x is positive and y is negative

13. Which of the following is a point on the positive x-axis?
    (i) $(0,(-9))$ (ii) $(0,8)$ (iii) $((-5),2)$ (iv) $((-9),0)$ (v) $(2,0)$

14. Which of the following is a point on the negative x-axis?

(i) $(9,0)$ (ii) $((-7),0)$ (iii) $(0,9)$ (iv) $((-3),5)$ (v) $(0,(-9))$

15. Which of the following is a point on the positive y-axis?

(i) $(0,9)$ (ii) $((-7),4)$ (iii) $(0,(-6))$ (iv) $(3,0)$ (v) $((-8),0)$

16. Which of the following is a point on the negative y-axis?

(i) $((-5),7)$ (ii) $(0,7)$ (iii) $(9,0)$ (iv) $((-6),0)$ (v) $(0,(-9))$

17. Which of the following is a point on the x-axis?

(i) $(9,0)$ (ii) $(9,(-2))$ (iii) $(4,1)$ (iv) $((-8),6)$ (v) $(0,2)$

18. Which of the following is a point on the y-axis?

(i) $((-5),3)$ (ii) $(1,4)$ (iii) $(1,(-5))$ (iv) $(0,2)$ (v) $(1,0)$

19. Which of the points (6,2), (-3,9), (-9,-1) and (4,-6) belong to the first quadrant?

(i) $(6,2)$ (ii) $(4,(-6))$ (iii) $((-3),9)$ (iv) $((-9),(-1))$

20. Which of the points (7,9), (-9,6), (-8,-2) and (6,-7) belong to the second quadrant?

(i) $((-8),(-2))$ (ii) $(6,(-7))$ (iii) $(7,9)$ (iv) $((-9),6)$

21. Which of the points (9,5), (-2,8), (-2,-2) and (9,-9) belong to the third quadrant?

(i) $(9,(-9))$ (ii) $((-2),8)$ (iii) $(9,5)$ (iv) $((-2),(-2))$

22. Which of the points (7,9), (-5,5), (-8,-3) and (8,-3) belong to the fourth quadrant?

(i) $(7,9)$ (ii) $(8,(-3))$ (iii) $((-8),(-3))$ (iv) $((-5),5)$

23. The coordinates of a point which is 3 units away from x-axis and 5 units away from y-axis in the first quadrant is

(i) $(5,3)$ (ii) $(3,5)$ (iii) $((-5),(-3))$ (iv) $(5,(-3))$ (v) $((-5),3)$

24. The coordinates of a point which is 4 units away from x-axis and 5 units away from y-axis in the second quadrant is

(i) $(4,(-5))$ (ii) $((-5),4)$ (iii) $(5,4)$ (iv) $((-5),(-4))$ (v) $(5,(-4))$

25. The coordinates of a point which is 6 units away from x-axis and 1 unit away from y-axis in the third quadrant is

(i) $((-1),6)$ (ii) $((-1),(-6))$ (iii) $((-6),(-1))$ (iv) $(1,(-6))$ (v) $(1,6)$

26. The coordinates of a point which is 7 units away from x-axis and 4 units away from y-axis in the fourth quadrant is

(i) $(4,7)$ (ii) $((-4),7)$ (iii) $(4,(-7))$ (iv) $((-7),4)$ (v) $((-4),(-7))$

27. Any line parallel to x-axis is

(i) a vertical line (ii) an oblique line (iii) a horizontal line (iv) a curved line

28. Any line parallel to y-axis is

(i) a horizontal line (ii) a curved line (iii) a vertical line (iv) an oblique line

29. A line which is neither parallel to x-axis nor y-axis is

(i) a curved line (ii) a vertical line (iii) a horizontal line (iv) an oblique line

30. Distance of the point (3,9) from x-axis is

(i) (-6) (ii) 12 (iii) 6 (iv) 9 (v) 3

31. Distance of the point (9,2) from y-axis is

(i) 2 (ii) 11 (iii) 9 (iv) 7 (v) (-7)

32. The coordinates of the origin are

(i) $(1,0)$ (ii) $(1,1)$ (iii) $(7,0)$ (iv) $(0,6)$ (v) $(0,0)$

33. The point of intersection of x-axis and y-axis

(i) $(0,0)$ (ii) $(0,4)$ (iii) $(1,1)$ (iv) $(7,0)$ (v) $(1,0)$

34. Find the area of the triangle formed by the points $(6,(-3)),((-2),6)$ and $(8,(-3))$

(i) 10 (ii) 8 (iii) 9 (iv) 12 (v) 6

35. Which of the following are true?

a) The abscissa of every point on y-axis is zero
b) The ordinate of every point on x-axis is zero
c) The ordinate of every point on y-axis is zero
d) The abscissa of every point on x-axis is zero

(i) {c,a} (ii) {c,d,a} (iii) {a,b} (iv) {c,b,a} (v) {d,b}

36. Which of the following are true?

a) A vertical line other than y-axis has no y-intercept
b) A horizontal line other than x-axis has no x-intercept
c) A vertical line other than y-axis has no x-intercept
d) A horizontal line other than x-axis has no y-intercept

(i) {a,b} (ii) {d,b} (iii) {c,a} (iv) {c,b,a} (v) {c,d,a}

37. A point lies on positive side of x-axis at a distance of 8 units from y-axis. What are the coordinates of the point?

(i) $(0,(-8))$ (ii) $(0,8)$ (iii) $((-8),0)$ (iv) $(8,0)$

38. A point lies on negative side of x-axis at a distance of 4 units from y-axis. What are the coordinates of the point?

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

39. A point lies on positive side of y-axis at a distance of 2 units from x-axis. What are the coordinates of the point?

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

40. A point lies on negative side of y-axis at a distance of 9 units from x-axis. What are the coordinates of the point?

(i) $(0,9)$ (ii) $(9,0)$ (iii) $(0,(-9))$ (iv) $((-9),0)$

Assignment Key

1) (iii)	2) (iii)	3) (iii)	4) (iii)	5) (iv)	6) (iv)
7) (i)	8) (ii)	9) (ii)	10) (iv)	11) (ii)	12) (iv)
13) (v)	14) (ii)	15) (i)	16) (v)	17) (i)	18) (iv)
19) (i)	20) (iv)	21) (iv)	22) (ii)	23) (i)	24) (ii)
25) (ii)	26) (iii)	27) (iii)	28) (iii)	29) (iv)	30) (iv)
31) (iii)	32) (v)	33) (i)	34) (iii)	35) (iii)	36) (i)
37) (iv)	38) (iv)	39) (i)	40) (iii)		