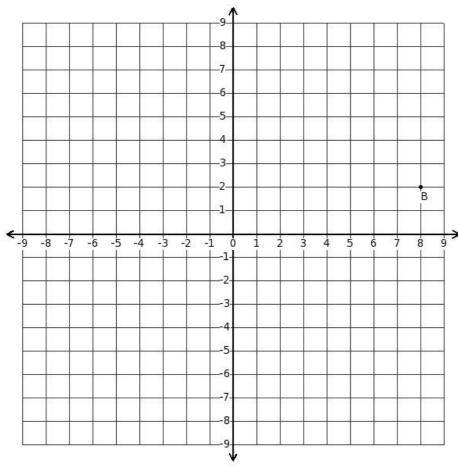
Name : Chapter Based Worksheet

Chapter : Co-Ordinate Geometry

Grade: SSC Grade IX

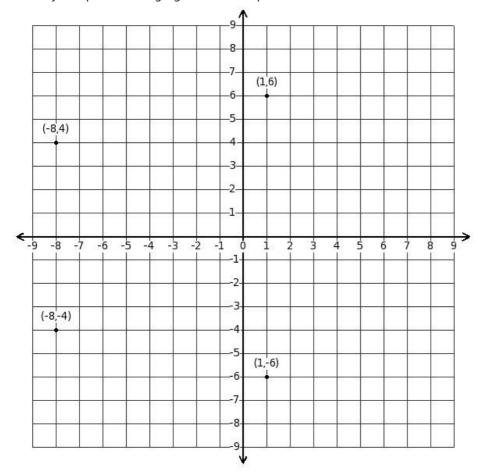
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## 1. Determine the coordinates of point B in the diagram.



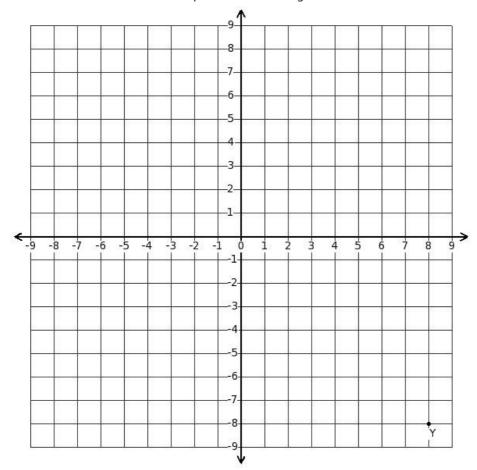
(i) (8,(-2)) (ii) ((-8),2) (iii) (2,8) (iv) (8,2) (v) ((-8),(-2))

2. Identify the point belonging to the first quadrant



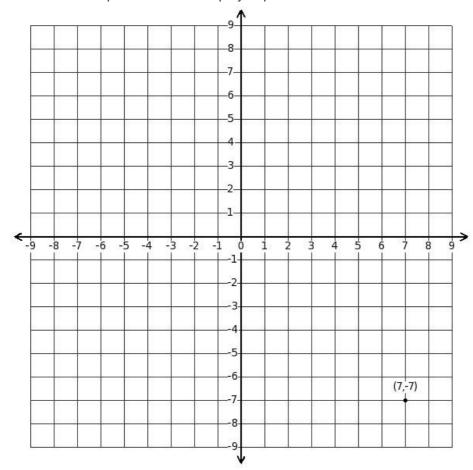
- (i) ((-8),4) (ii) (1,(-6)) (iii) (1,6) (iv) ((-8),(-4))
- 3. Which of the following is a point on the x-axis?
  - (i) (6,0) (ii) (2,1) (iii) ((-3),9) (iv) (7,(-6)) (v) (0,1)
- 4. Which of the following is a point on the y-axis?
  - (i) (0,8) (ii) ((-2),4) (iii) (7,(-6)) (iv) (5,0) (v) (2,8)
- 5. The coordinates of the origin are
  - (i) (8,0) (ii) (0,6) (iii) (0,0) (iv) (1,1) (v) (1,0)

6. Determine the coordinates of point Y in the diagram.



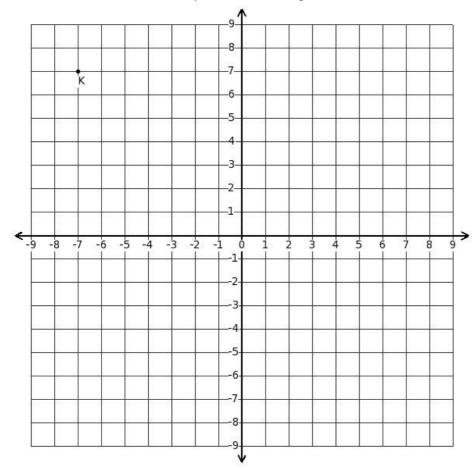
- (i) ((-8),8) (ii) (8,(-8)) (iii) ((-8),(-8)) (iv) (8,8)
- 7. In a coordinate geometry plane, the vertical reference line is called
  - (i) y-axis (ii) abscissa (iii) origin (iv) ordinate (v) x-axis

8. Determine the quadrant of the displayed point



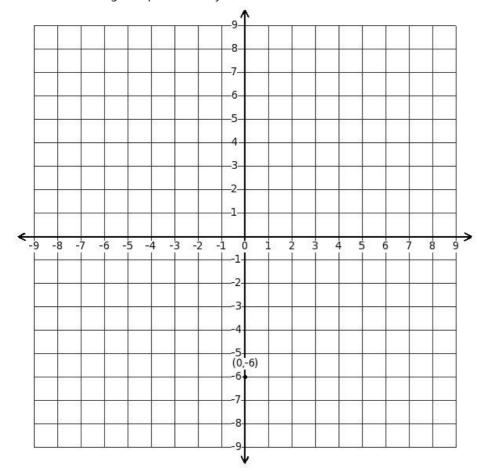
- (i) third quadrant (ii) first quadrant (iii) fourth quadrant (iv) second quadrant
- 9. The points ((-1),(-3)), (6,(-3)) and (6,0) represent
  - (i) isosceles right angled triangle (ii) scalene triangle (iii) equilateral triangle (iv) collinear points
  - (v) right angle triangle
- 10. The points ((-3),(-6)),(3,(-11)),(9,(-6)) and (3,(-1)) represent
  - (i) square (ii) trapezium (iii) parallelogram (iv) rectangle (v) rhombus
- 11. Distance of the point (8,5) from y-axis is
  - (i) 5 (ii) 3 (iii) (-3) (iv) 8 (v) 13
- 12. Which of the points (5,7), (-6,3), (-8,-5) and (1,-5) belong to the fourth quadrant?
  - (i) (5,7) (ii) ((-8),(-5)) (iii) ((-6),3) (iv) (1,(-5))
- 13. Find the area of the triangle formed by the points ((-3),(-8)),(1,(-6)) and (5,(-5))
  - (i) 1 (ii) 2 (iii) 4 (iv) 3 (v) (-1)
- 14. The coordinates of a point which is 3 units away from x-axis and 7 units away from y-axis in the second quadrant is
  - (i) (7,3) (ii) ((-7),3) (iii) (3,(-7)) (iv) ((-7),(-3)) (v) (7,(-3))

15. Determine the coordinates of point K in the diagram.



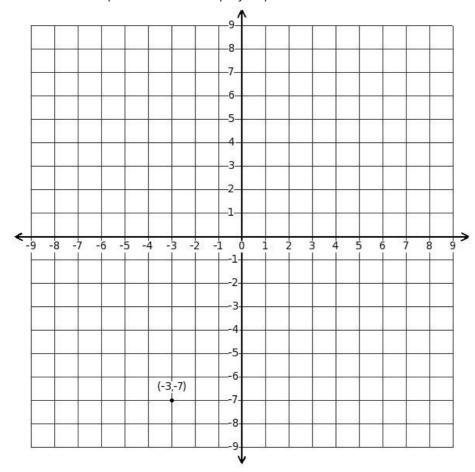
- (i) (7,(-7)) (ii) ((-7),7) (iii) ((-7),(-7)) (iv) (7,7)
- 16. The points ((-2),(-5)), (1,(-2)) and (4,(-5)) represent
  - (i) equilateral triangle (ii) isosceles right angled triangle (iii) scalene triangle (iv) right angle triangle
  - (v) collinear points
- 17. Which of the following are true?
  - a) A vertical line other than y-axis has no y-intercept
  - b) A horizontal line other than x-axis has no y-intercept
  - c) A horizontal line other than x-axis has no x-intercept
  - d) A vertical line other than y-axis has no x-intercept
  - (i)  $\{d,c\}$  (ii)  $\{a,c\}$  (iii)  $\{b,c,a\}$  (iv)  $\{b,d,a\}$  (v)  $\{b,a\}$
- 18. Which of the following is a point on the negative y-axis?
  - (i) (9,0) (ii) ((-4),4) (iii) ((-9),0) (iv) (0,(-2)) (v) (0,6)

19. Distance of the given point from y-axis is



- (i) -6 (ii) 6 (iii) 0
- 20. Which of the following is a point on the positive y-axis?
  - (i) ((-6),3) (ii) (1,0) (iii) (0,4) (iv) ((-5),0) (v) (0,(-2))
- 21. The point (9,(-1)) lies in
  - (i) third quadrant (ii) fourth quadrant (iii) second quadrant (iv) first quadrant

## 22. Determine the quadrant of the displayed point



- (i) fourth quadrant (ii) second quadrant (iii) third quadrant (iv) first quadrant
- 23. The y-coordinate of a point is also called as
  - (i) abscissa (ii) ordinate (iii) y-axis (iv) origin (v) x-axis
- 24. The coordinates of a point which is 5 units away from x-axis and 7 units away from y-axis in the third quadrant is
  - (i) (7,5) (ii) ((-5),(-7)) (iii) ((-7),(-5)) (iv) ((-7),5) (v) (7,(-5))
- 25. Which of the following are true?
  - a) The abscissa of every point on x-axis is zero
  - b) The ordinate of every point on y-axis is zero
  - c) The ordinate of every point on x-axis is zero
  - d) The abscissa of every point on y-axis is zero
  - (i) {b,d} (ii) {c,d} (iii) {a,c} (iv) {a,b,c} (v) {a,d,c}

Assignment Key						
1) (iv)	2) (iii)	3) (i)	4) (i)	5) (iii)	6) (ii)	
7) (i)	8) (iii)	9) (v)	10) (v)	11) (iv)	12) (iv)	
13) (ii)	14) (ii)	15) (ii)	16) (ii)	17) (ii)	18) (iv)	
19) (iii)	20) (iii)	21) (ii)	22) (iii)	23) (ii)	24) (iii)	
25) (ii)						

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