



1. The coordinates of the origin are

- (i) (9,0) (ii) (0,6) (iii) (0,0) (iv) (1,1) (v) (1,0)

2. Find the set of points satisfying the equation $y = (-\frac{1}{3}x)$

- (i) $((-2), \frac{2}{3}), ((-1), \frac{1}{3}), (0,0), (1, (-\frac{1}{3})), (2, (-\frac{2}{3}))$ (ii) $((-2), \frac{2}{3}), ((-1), \frac{1}{3}), ((-2), (-2)), (1, (-\frac{1}{3})), (2, (-\frac{2}{3}))$

- (iii) $((-2), \frac{2}{3}), ((-1), \frac{1}{3}), (1, (-1)), (1, (-\frac{1}{3})), (2, (-\frac{2}{3}))$ (iv) $((-2), \frac{2}{3}), ((-1), \frac{1}{3}), (0,0), (1, (-\frac{1}{3})), (4, \frac{4}{3})$

- (v) $((-2), \frac{2}{3}), ((-1), \frac{1}{3}), (0,0), (0, \frac{2}{3}), (2, (-\frac{2}{3}))$

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

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

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

- (i) $(0, 6)$ (ii) $(0, 0)$ (iii) $(1, 1)$ (iv) $(1, 0)$

5. The coordinates of a point which is 6 units away from x-axis and 8 units away from y-axis in the second quadrant is

- (i) $(8, 6)$ (ii) $(6, -8)$ (iii) $(-8, -6)$ (iv) $(-8, 6)$ (v) $(8, -6)$

6. Find the set of points satisfying the equation $x = (\frac{10}{9}y + \frac{31}{9})$

- (i) $((-2), (-\frac{49}{10})), ((-1), (-4)), (0, (-\frac{31}{10})), (1, (-\frac{11}{5})), (4, \frac{7}{10})$

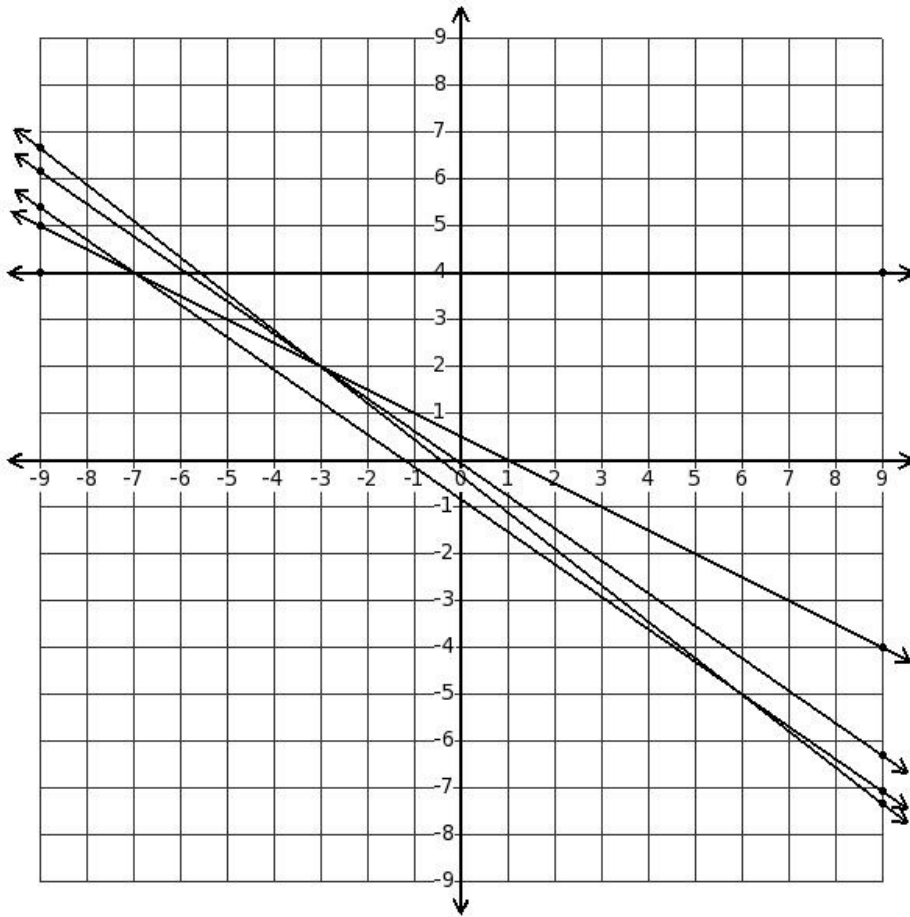
- (ii) $((-2), (-\frac{49}{10})), ((-1), (-4)), (1, (-\frac{41}{10})), (1, (-\frac{11}{5})), (2, (-\frac{13}{10}))$

- (iii) $((-2), (-\frac{49}{10})), ((-1), (-4)), (0, (-\frac{31}{10})), (0, (-\frac{6}{5})), (2, (-\frac{13}{10}))$

- (iv) $((-2), (-\frac{49}{10})), ((-1), (-4)), (0, (-\frac{31}{10})), (1, (-\frac{11}{5})), (2, (-\frac{13}{10}))$

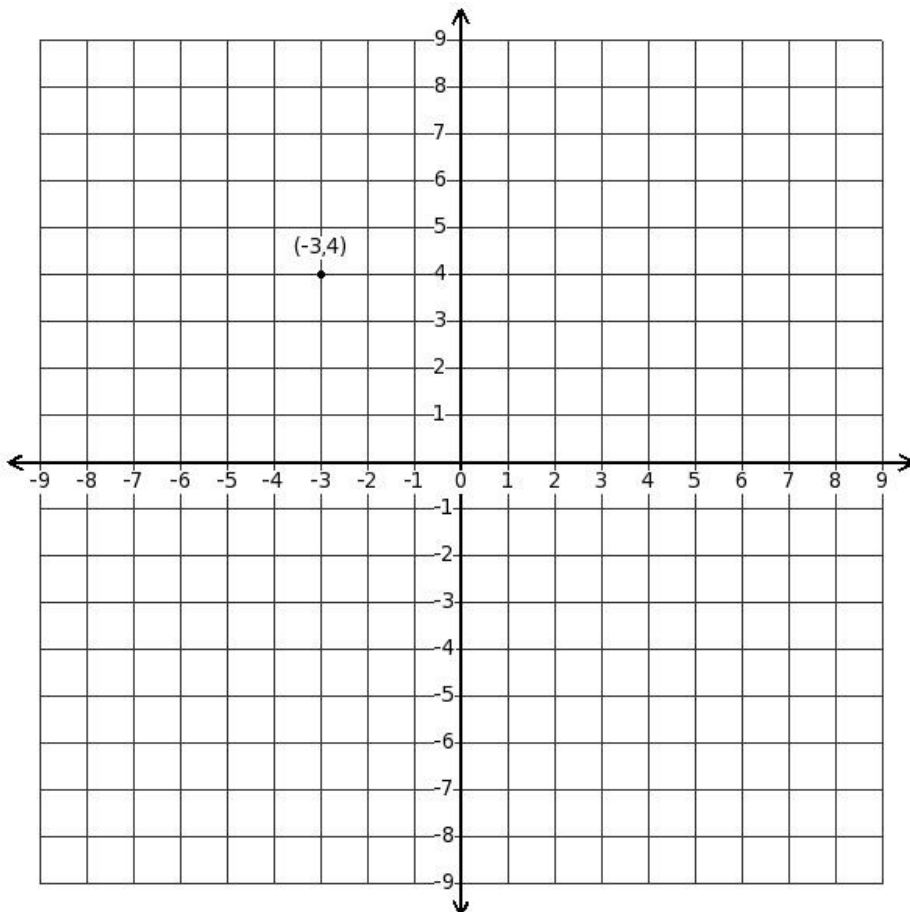
- (v) $((-2), (-\frac{49}{10})), ((-1), (-4)), ((-2), (-\frac{51}{10})), (1, (-\frac{11}{5})), (2, (-\frac{13}{10}))$

7. Solve $(-9x-13y-11)=0$
 $(y-4) = 0$



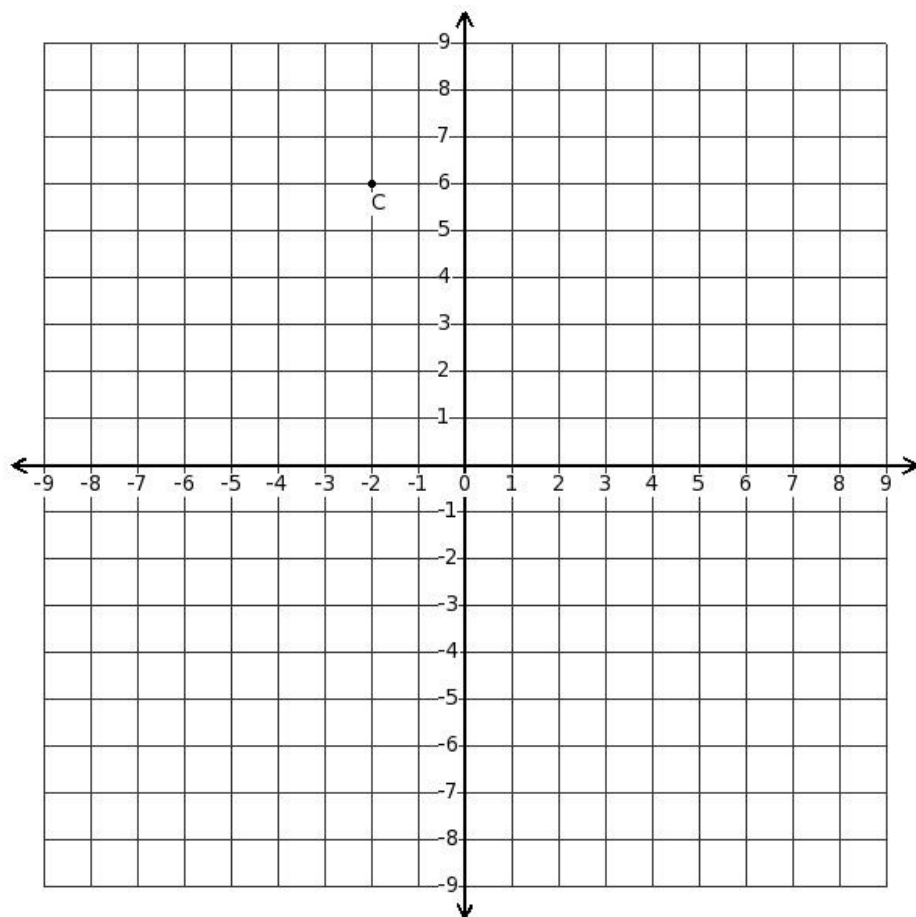
- (i) (0,4) (ii) ((-7),0) (iii) ((-3),2) (iv) (6,(-5)) (v) ((-7),4)

8. Determine the quadrant of the displayed point



- (i) second quadrant (ii) third quadrant (iii) fourth quadrant (iv) first quadrant

9. Determine the coordinates of point C in the diagram.



- (i) $(2, -6)$ (ii) $(6, -2)$ (iii) $(-2, 6)$ (iv) $(2, 6)$ (v) $(-2, -6)$

10. In a coordinate geometry plane, the horizontal reference line is called

- (i) ordinate (ii) y-axis (iii) origin (iv) x-axis (v) abscissa

11. Distance of the point $(2, 8)$ from x-axis is

- (i) 8 (ii) -6 (iii) 10 (iv) 2 (v) 6

12. Find the set of points satisfying the equation $(-14x - 6y - 2) = 0$

- (i) $(-2, \frac{13}{3}), (-1, 2), (0, (-\frac{1}{3})), (1, (-\frac{8}{3})), (4, (-3))$ (ii) $(-2, \frac{13}{3}), (-1, 2), (1, (-\frac{4}{3})), (1, (-\frac{8}{3})), (2, (-5))$

- (iii) $(-2, \frac{13}{3}), (-1, 2), (-2, (-\frac{7}{3})), (1, (-\frac{8}{3})), (2, (-5))$

- (iv) $(-2, \frac{13}{3}), (-1, 2), (0, (-\frac{1}{3})), (0, (-\frac{5}{3})), (2, (-5))$ (v) $(-2, \frac{13}{3}), (-1, 2), (0, (-\frac{1}{3})), (1, (-\frac{8}{3})), (2, (-5))$

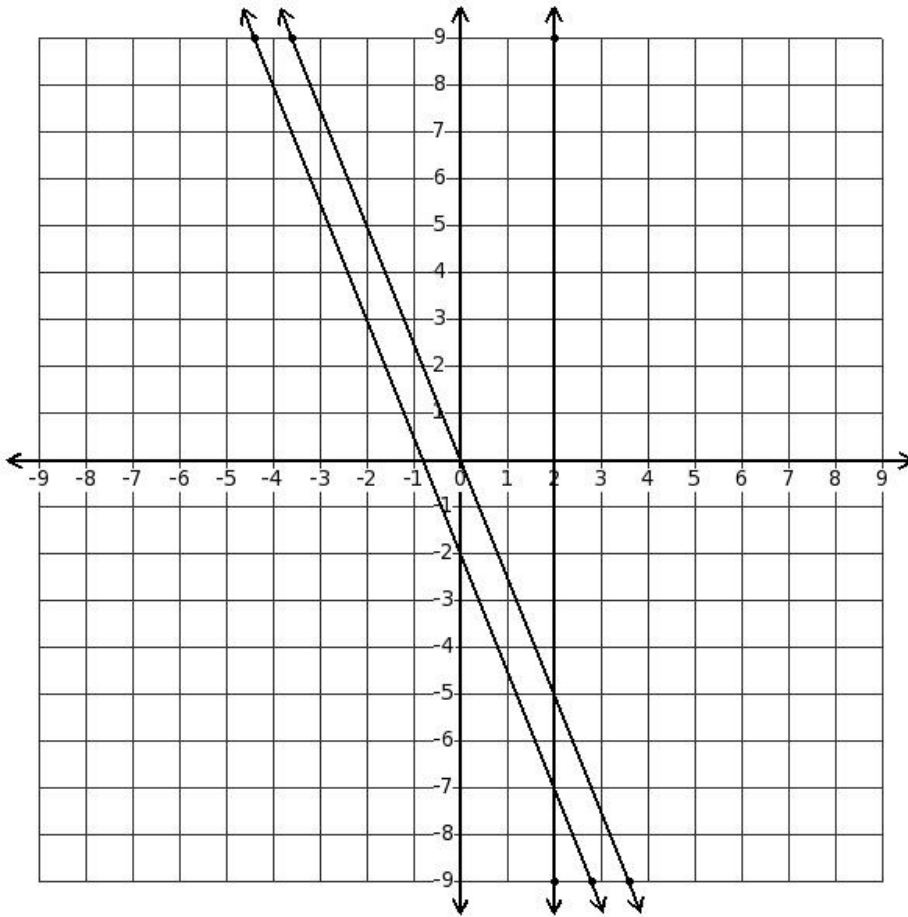
13. Which of the points $(4, 8)$, $(-5, 1)$, $(-5, -6)$ and $(1, -5)$ belong to the first quadrant?

- (i) $(1, -5)$ (ii) $(-5, -6)$ (iii) $(-5, 1)$ (iv) $(4, 8)$

14. The point $(1, 8)$ lies in

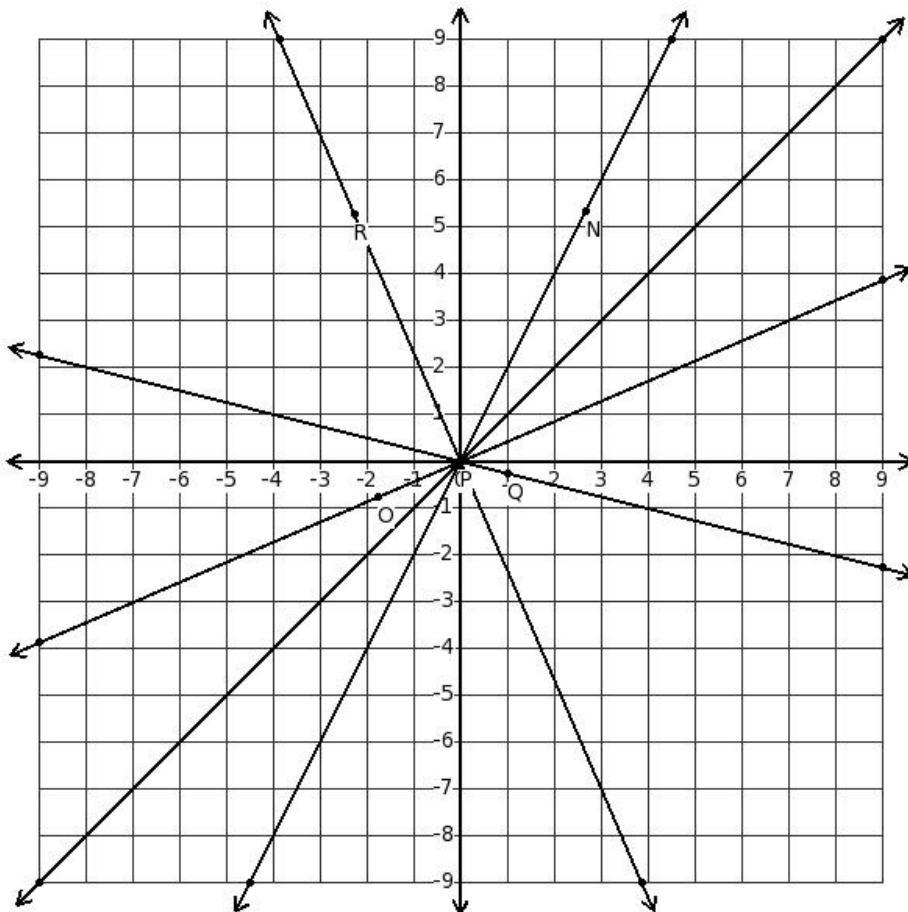
- (i) first quadrant (ii) third quadrant (iii) fourth quadrant (iv) second quadrant

15. Solve $(5x+2y) = 0$
 $(5x+2y+4)=0$



- (i) $(0,(-7))$ (ii) Infinite solutions (iii) $(2,(-5))$ (iv) $(2,(-7))$ (v) No solution

16. Which of the displayed lines represent the equation $y=2x$

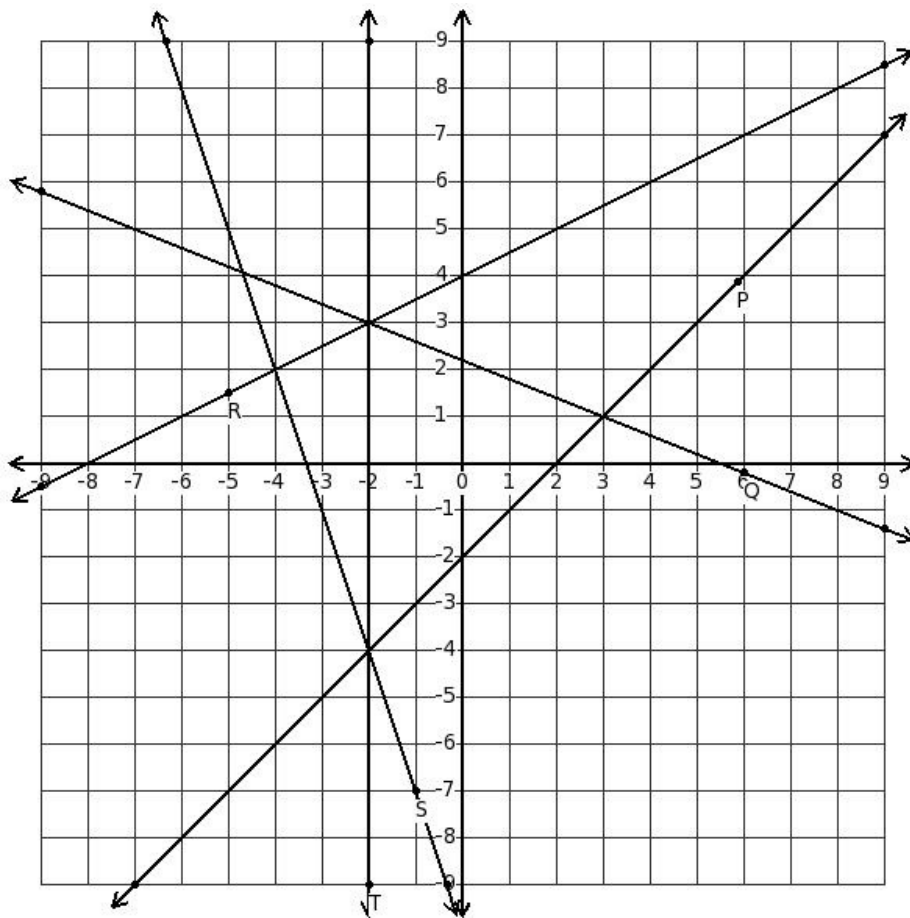


- (i) line with point P (ii) line with point Q (iii) line with point N (iv) line with point R (v) line with point O

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

- (i) (1,0) (ii) (0,-7) (iii) (-1,0) (iv) (-2,5) (v) (0,3)

18. Which of the displayed lines represent the equation $y=(x-2)$



- (i) line with point T (ii) line with point S (iii) line with point Q (iv) line with point P (v) line with point R

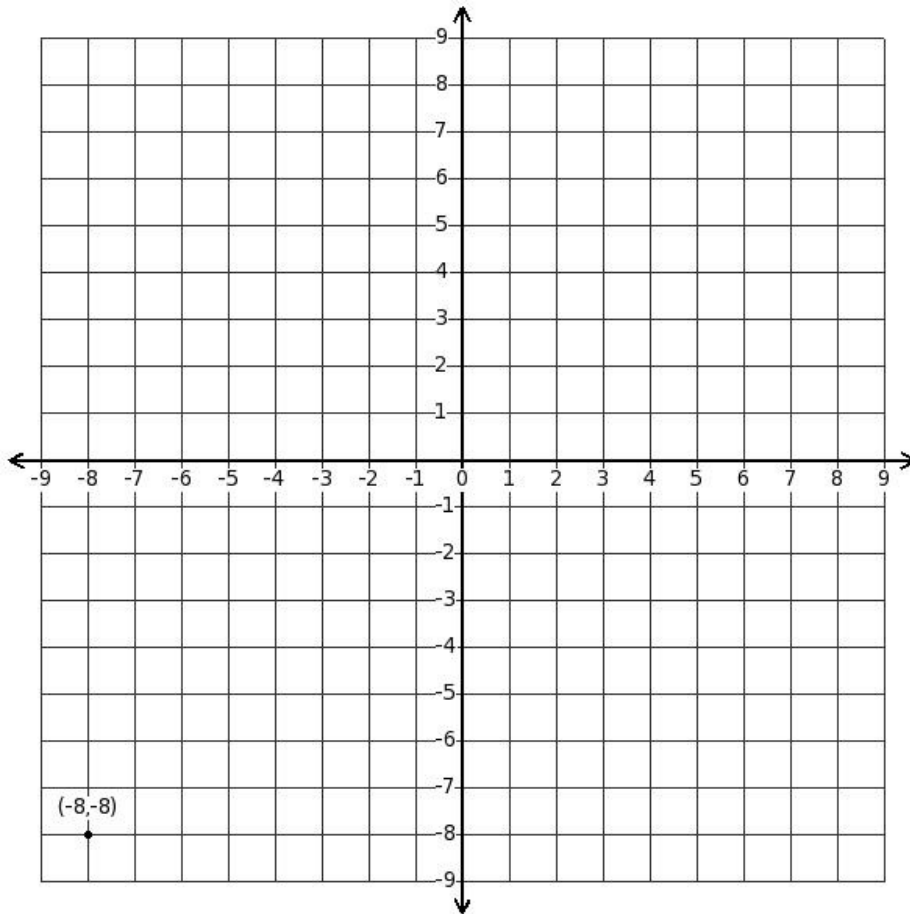
19. Distance of the point (7,6) from y-axis is

- (i) 7 (ii) (-1) (iii) 6 (iv) 13 (v) 1

20. If point P(x,y) lies in the second quadrant, then

- (i) x is positive and y is negative (ii) x is positive and y is positive (iii) x is negative and y is positive
(iv) x is negative and y is negative

21. Determine the quadrant of the displayed point

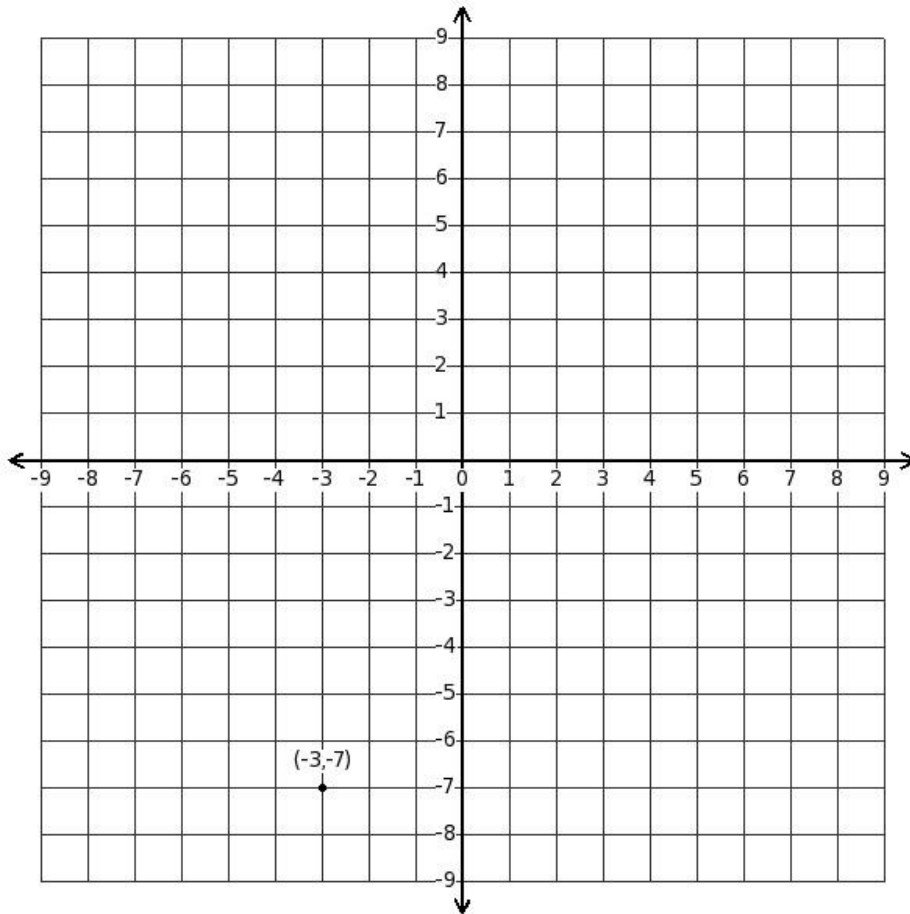


- (i) second quadrant (ii) first quadrant (iii) fourth quadrant (iv) third quadrant

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

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

23. Distance of the given point from x-axis is



- (i) 4 (ii) 10 (iii) 21 (iv) 7 (v) 3

24. If point $P(x,y)$ lies in the third quadrant, then

- (i) x is negative and y is positive (ii) x is negative and y is negative (iii) x is positive and y is negative
(iv) x is positive and y is positive

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

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

Assignment Key

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