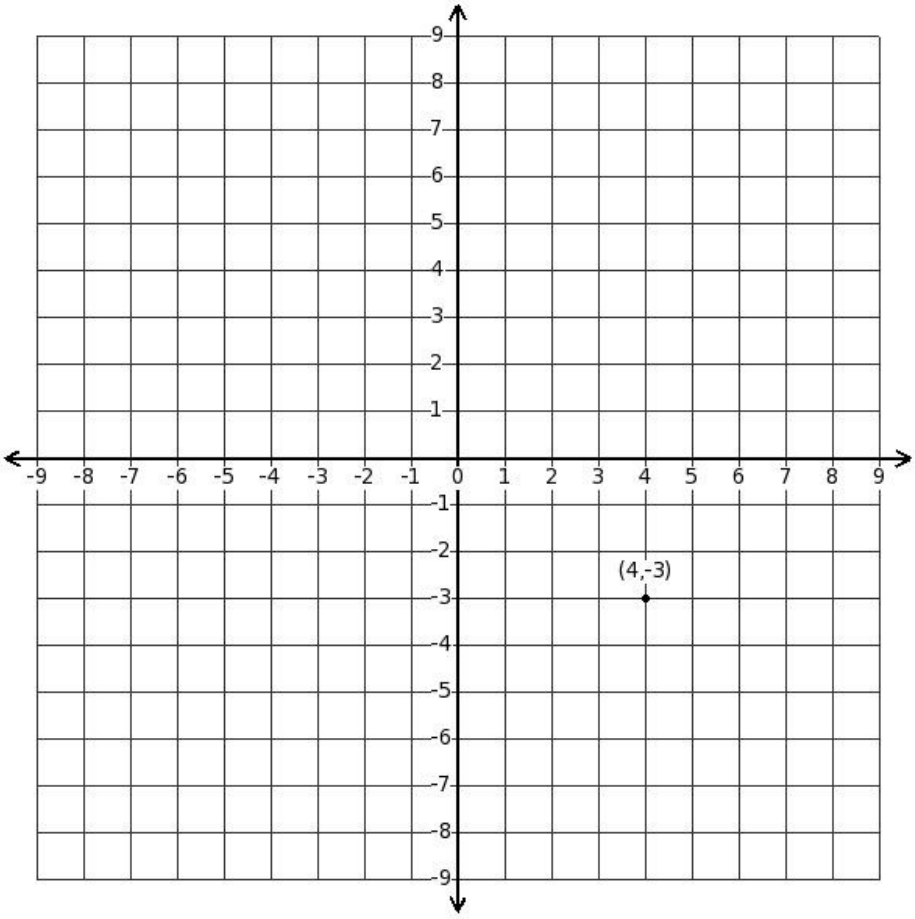
EduSahara™ Worksheet

Name : Chapter Based Worksheet

Chapter : Co-ordinate Geometry

Grade : ICSE Grade IX

1. Determine the quadrant of the displayed point

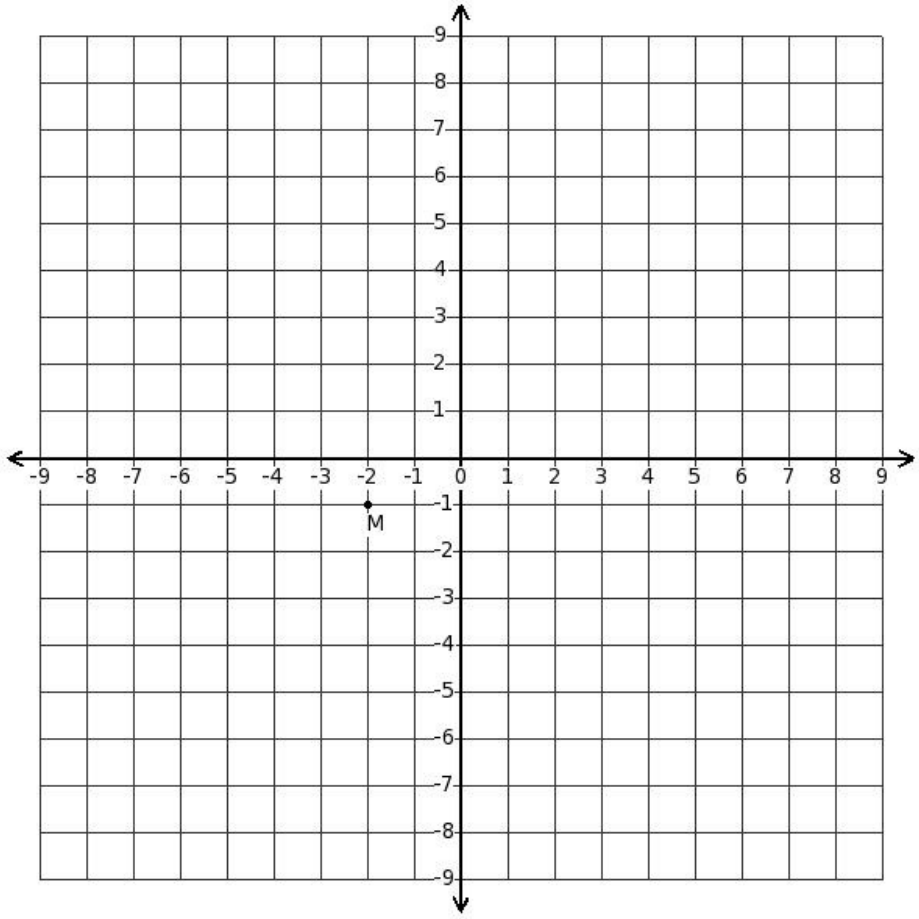


(i) second quadrant (ii) fourth quadrant (iii) first quadrant (iv) third quadrant

2. The equation of x-axis is

(i) $y=x$ (ii) $y=1$ (iii) $x=0$ (iv) $x=1$ (v) $y=0$

3. Determine the coordinates of point M in the diagram.



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

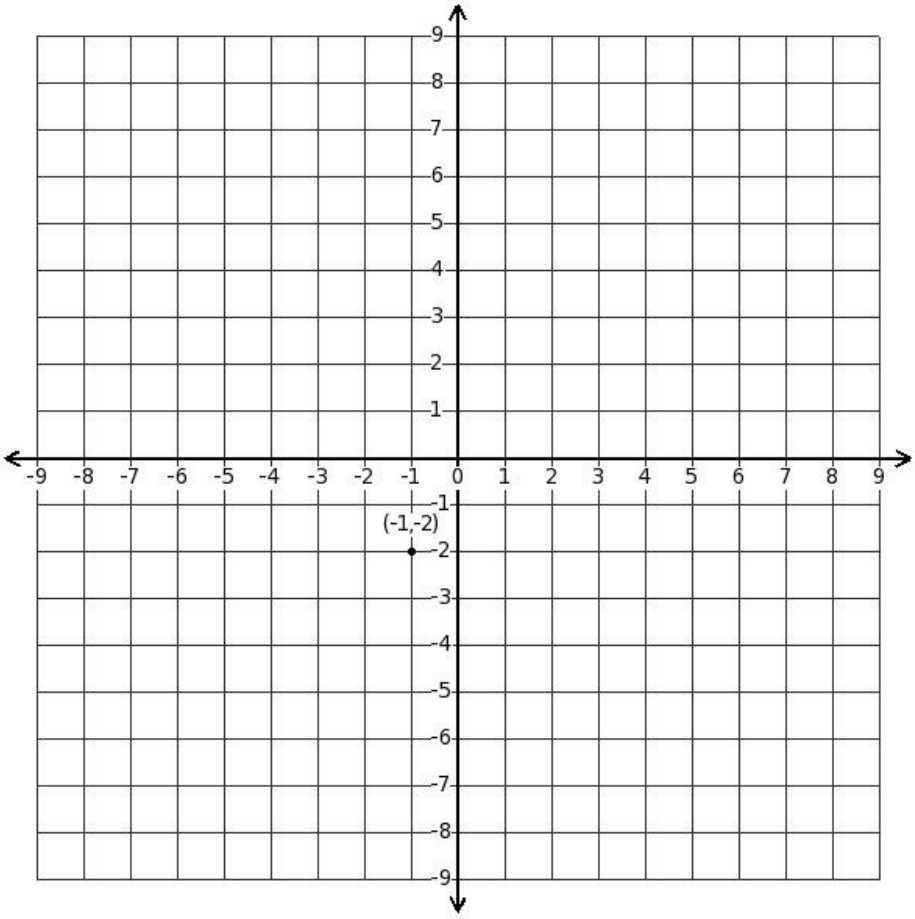
4. Distance of the point (3,7) from x-axis is

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

5. Distance of the point (6,1) from y-axis is

(i) (-5) (ii) 5 (iii) 7 (iv) 6 (v) 1

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



(i) 3 (ii) 2 (iii) 1

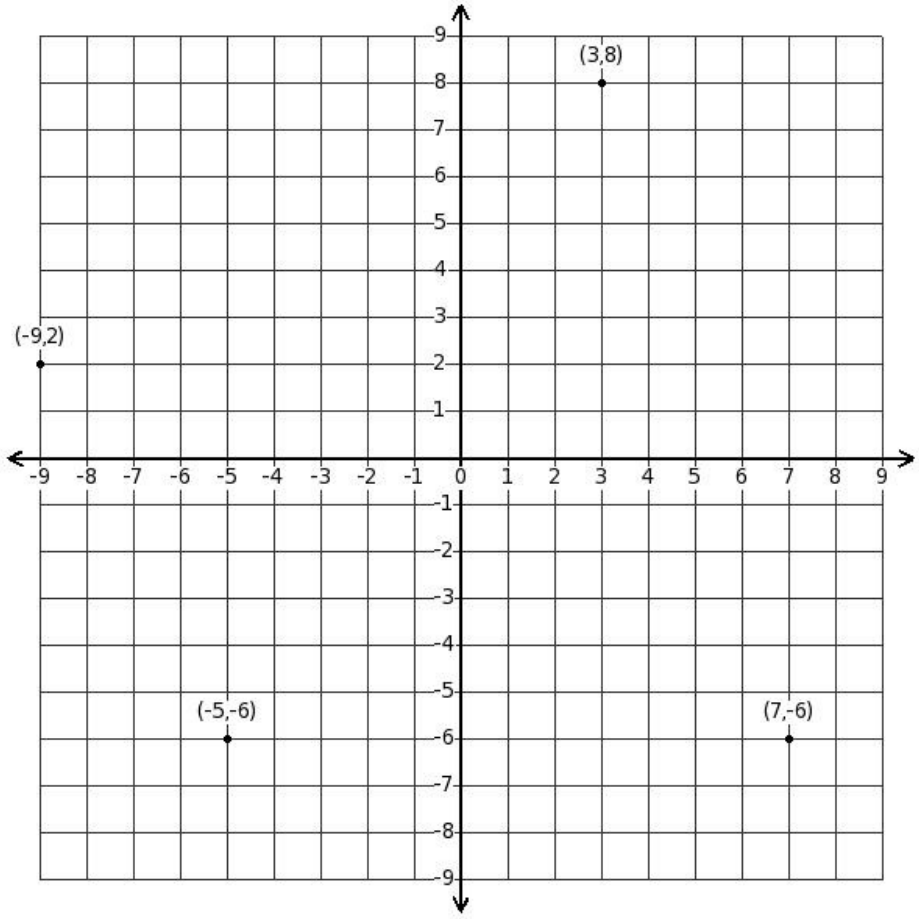
7. A point lies on negative side of y-axis at a distance of 1 units from x-axis. What are the coordinates of the point?

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

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

(i) $((-4),3)$ (ii) $(0,2)$ (iii) $(9,7)$ (iv) $(7,(-6))$ (v) $(3,0)$

9. Identify the point belonging to the first quadrant



(i) $((-9),2)$ (ii) $(7,(-6))$ (iii) $((-5),(-6))$ (iv) $(3,8)$

10. The point $(4,4)$ lies in

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

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

(i) $(9,0)$ (ii) $((-9),1)$ (iii) $(0,(-9))$ (iv) $(0,5)$ (v) $((-2),0)$

12. The equation of the line in slope intercept form is

a) $x=cy+m$
b) $y=mx+c$
c) $y=cx+m$
d) $x=my+c$

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

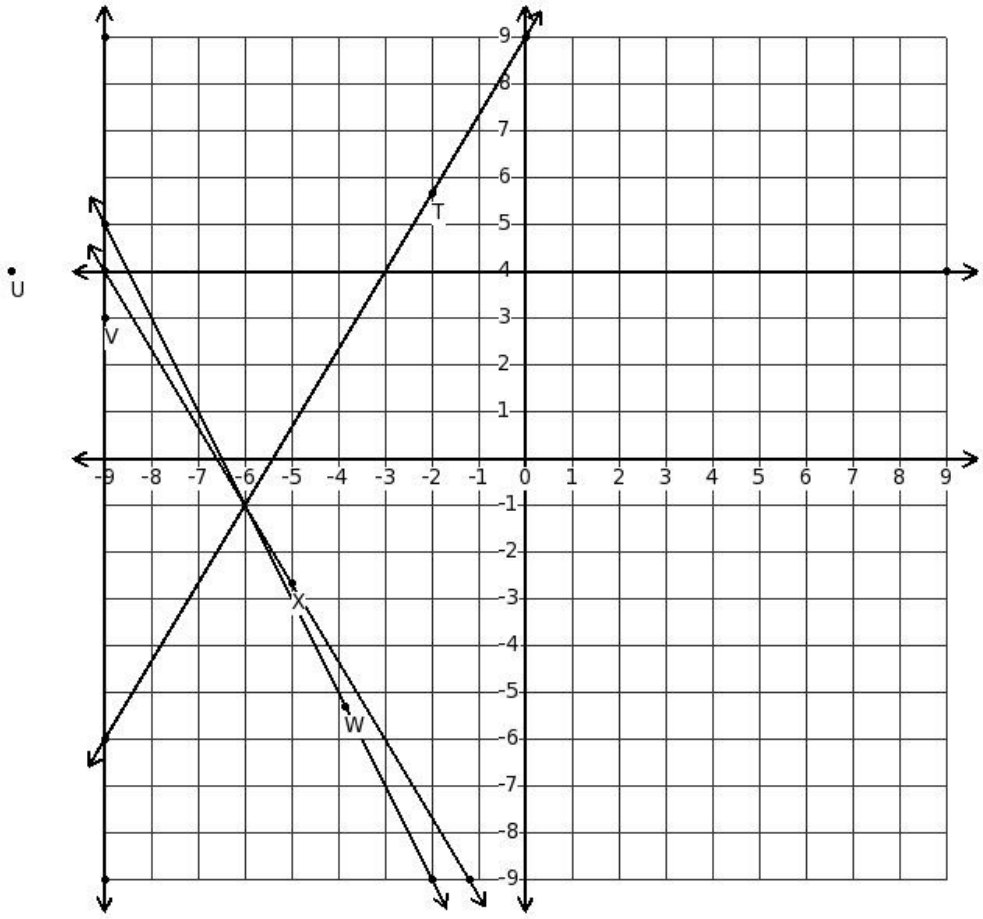
13. Which of the points (9,4), (-6,7), (-7,-7) and (4,-1) belong to the first quadrant?

(i) $((-7),(-7))$ (ii) $((-6),7)$ (iii) $(9,4)$ (iv) $(4,(-1))$

14. Any line parallel to y-axis is

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

15. Which of the displayed lines represent the equation $y=(\frac{5}{3}x+9)$

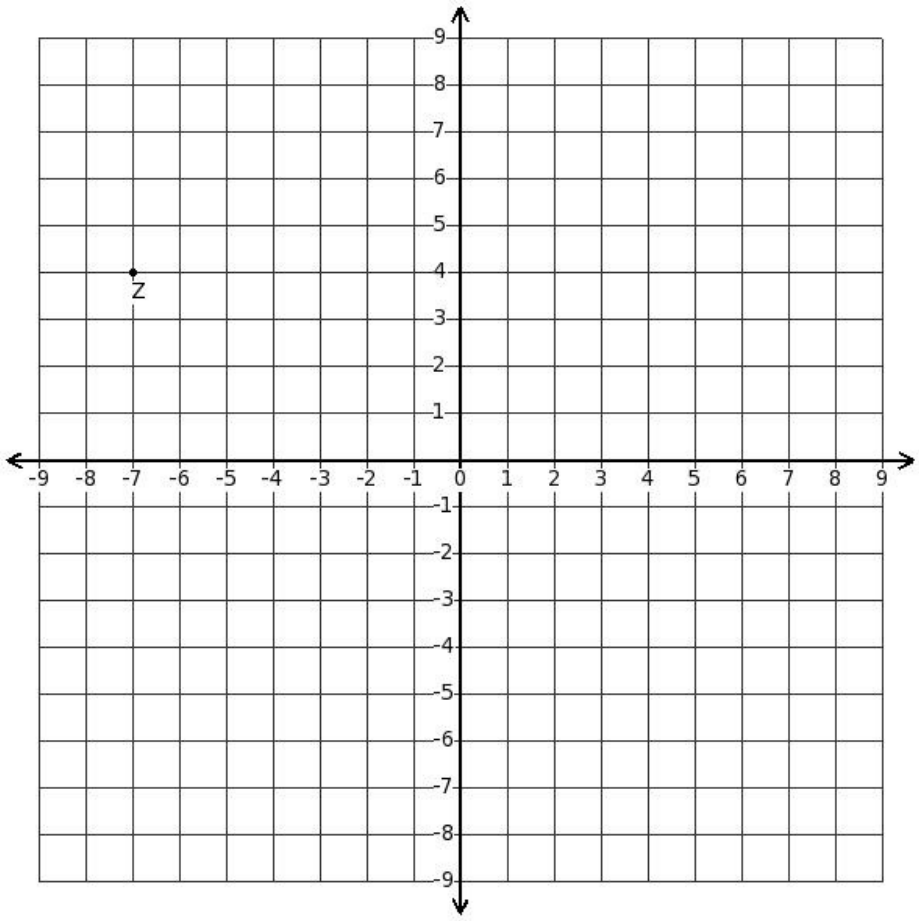


(i) line with point X (ii) line with point T (iii) line with point W (iv) line with point U (v) line with point V

16. The y-coordinate of a point is also called as

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

17. Determine the coordinates of point Z in the diagram.



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

18. A point lies on negative side of x-axis at a distance of 6 units from y-axis. What are the coordinates of the point?

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

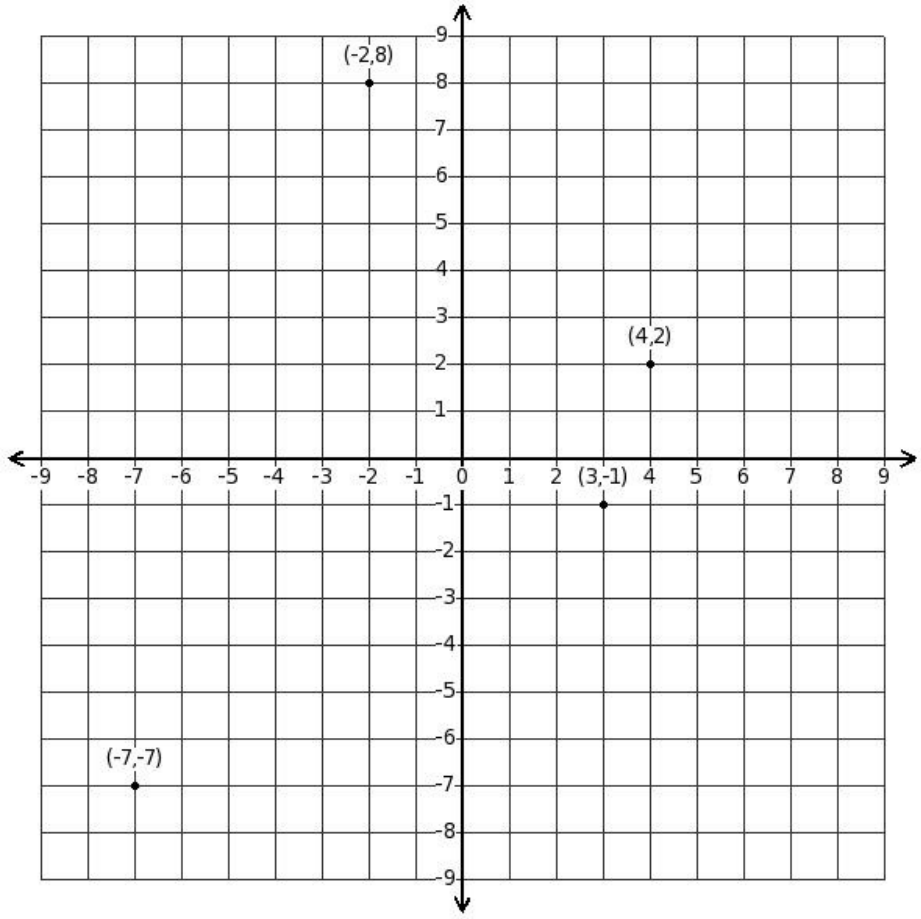
19. Which of the following equations satisfy the given points $((-6),(-2)),((-6),(-1)),((-6),0),((-6),1),((-6),2)$?

(i) $x=(\frac{10}{13}y-\frac{88}{13})$ (ii) $x=(-6)$ (iii) $y=1$ (iv) $(-10x-13y-15)=0$ (v) $(6x+2y-1)=0$

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

(i) $(0,(-7))$ (ii) $((-7),0)$ (iii) $(2,0)$ (iv) $((-7),7)$ (v) $(0,6)$

21. Identify the point belonging to the second quadrant



(i) $(4,2)$ (ii) $((-2),8)$ (iii) $((-7),(-7))$ (iv) $(3,(-1))$

22. The equation of the x-axis is

a) $x=1$
b) $x=y$
c) $x=0$
d) $y=1$
e) $y=0$

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

23. Which of the following equations satisfy the given points $((-2),\frac{5}{2}),((-1),\frac{3}{2}),(0,\frac{1}{2}),(1,(-\frac{1}{2})),(2,(-\frac{3}{2}))$?

(i) $x=(-4)$ (ii) $(-18x-8y)=0$ (iii) $x=(\frac{9}{4}y-22)$ (iv) $(2x+2y-1)=0$ (v) $y=8$

24. Which of the points (4,2), (-5,5), (-1,-3) and (6,-1) belong to the third quadrant?

(i) $(6,(-1))$ (ii) $((-5),5)$ (iii) $((-1),(-3))$ (iv) $(4,2)$

25. Which of the following lines pass through the origin?

(i) $(7x-3y)=0$ (ii) $(13x-y-32)=0$ (iii) $(-3x+8y-47)=0$ (iv) $(-7x+2y-43)=0$

(v) $(-3x-9y-48)=0$

Assignment Key

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