EduSahara™ Learning Center Assignment

Grade : Class IX, SSC
Chapter : Co-Ordinate Geometry
Name : Cartesian System

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

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

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2. In a coordinate geometry plane, the vertical reference line is called

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

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3. The x-coordinate of a point is also called as

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

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

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

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

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

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6. The point $((-3), 3)$ lies in

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

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7. The point $((-4),(-7))$ lies in

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

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8. The point $(5,(-7))$ lies in

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

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9. If point P(x,y) lies in the first quadrant, then

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

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

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

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

(i) x is negative and y is negative

(ii) x is positive and y is positive

(iii) x is positive and y is negative

(iv) x is negative and y is positive

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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 negative

(iii) x is positive and y is positive

(iv) x is negative and y is negative

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

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

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

(i) $((-7),0)$ (ii) $(7,0)$ (iii) $((-8),6)$ (iv) $(0,(-6))$ (v) $(0,1)$

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

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

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

(i) $(0,(-7))$ (ii) $((-4),0)$ (iii) $((-2),6)$ (iv) $(8,0)$ (v) $(0,4)$

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

(i) $((-8),5)$ (ii) $(0,5)$ (iii) $(4,(-2))$ (iv) $(1,0)$ (v) $(5,3)$

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

(i) $(0,9)$ (ii) $((-8),9)$ (iii) $(4,(-2))$ (iv) $(6,0)$ (v) $(4,7)$

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

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

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20. Which of the points $(3,1)$, $((-3),3)$, $((-2),(-7))$ and $(3,(-2))$ belong to the second quadrant ?

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

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21. Which of the points $(4,1)$, $((-4),6)$, $((-1),(-5))$ and $(5,(-1))$

belong to the third quadrant ?

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

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22. Which of the points $(5,9)$, $((-2),6)$, $((-5),(-2))$ and $(8,(-1))$ belong to the fourth quadrant ?

(i) $(8,(-1))$ (ii) $((-2),6)$ (iii) $((-5),(-2))$ (iv) $(5,9)$

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23. The coordinates of a point which is 8 units away from x-axis and 1 unit away from y-axis in the first quadrant is

(i) $(1,8)$ (ii) $(1,(-8))$ (iii) $((-1),8)$ (iv) $(8,1)$ (v) $((-1),(-8))$

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24. The coordinates of a point which is 7 units away from x-axis and 5 units away from y-axis in the second quadrant is

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

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

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

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

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

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27. Any line parallel to x-axis is

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

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28. Any line parallel to y-axis is

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

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

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

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

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

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31. Distance of the point $(8,6)$ from y-axis is

(i) (-2) (ii) 6 (iii) 8 (iv) 2 (v) 14

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32. The coordinates of the origin are

(i) $(0,0)$ (ii) $(3,0)$ (iii) $(1,1)$ (iv) $(1,0)$ (v) $(0,1)$

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

(i) $(0,2)$ (ii) $(1,0)$ (iii) $(1,1)$ (iv) $(0,0)$

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34. Find the area of the triangle formed by the points $(1,(-6))$, $((-4),(-3))$ and $((-8),5)$

(i) 12 (ii) 14 (iii) 17 (iv) 15 (v) 13

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35. 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) {a,d,c} (iii) {a,c} (iv) {a,b,c} (v) {c,d}

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

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

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

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

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

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

(i) $(7,0)$ (ii) $((-7),0)$ (iii) $(0,7)$ (iv) $(0,(-7))$

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

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

Assignment Key

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