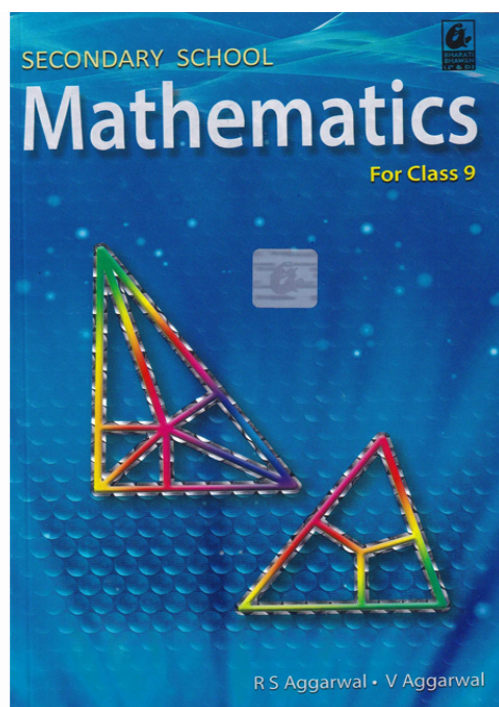


RS Aggarwal Solutions for Class 9 Maths Chapter 6–Coordinate Geometry

Class 9 - Chapter 6 Coordinate Geometry



For any clarifications or questions you can write to info@indcareer.com

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Class 9: Maths Chapter 6 solutions. Complete Class 9 Maths Chapter 6 Notes.

RS Aggarwal Solutions for Class 9 Maths Chapter 6–Coordinate Geometry

RS Aggarwal 9th Maths Chapter 6, Class 9 Maths Chapter 6 solutions

Question 1.

Solution:

Co-ordinates of

A are $(-6, 5)$

B are $(5, 4)$

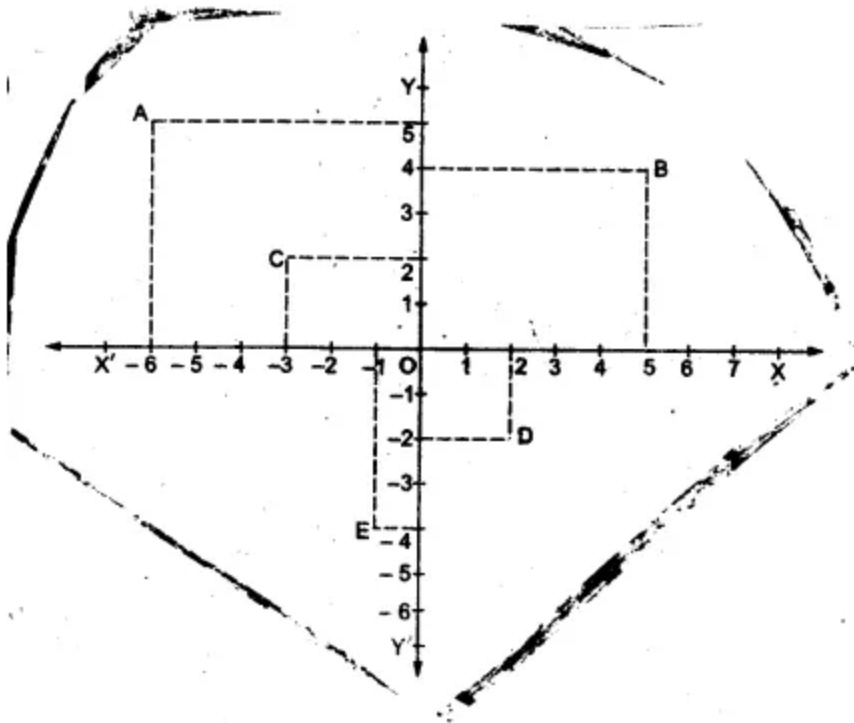
C are $(-3, 2)$

D are $(2, -2)$

E are $(-1, -4)$

Ans.

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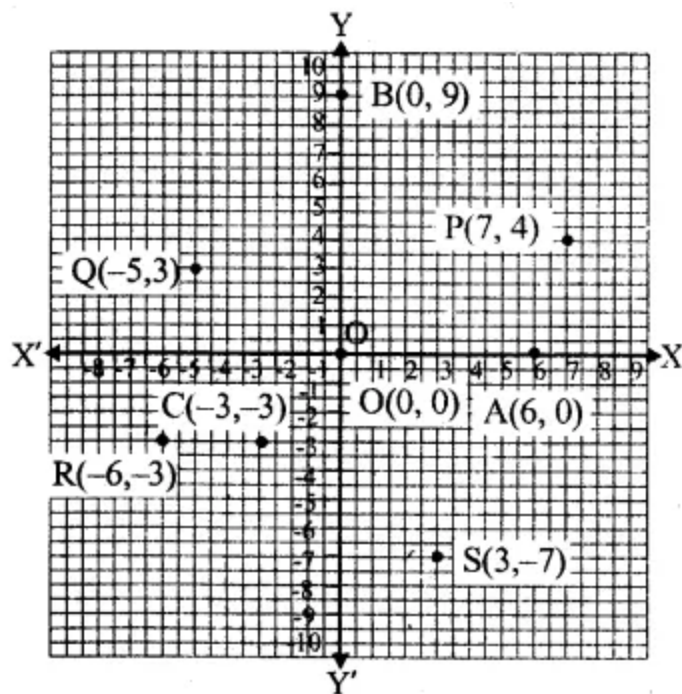
Question 2.

Solution:

The given points have been plotted as shown in the adjoining graph.

Where $X'OX$ and YOY' are the axis:

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Question 3.

Solution:

- (i) $(7, 0)$ lies on x-axis as its ordinate is (0)
- (ii) $(0, -5)$ lies on y-axis as its abscissa is (0)
- (iii) $(0, 1)$ lies on y-axis as its abscissa is (0)
- (iv) $(-4, 0)$ lies on x-axis as its ordinate is (0)

Ans.

Question 4.

Solution:

- (i) $(-6, 5)$ lies in second quadrant because A is of the type $(-, +)$
- (ii) $(-3, -2)$ lies in third quadrant because A is of the type $(-, -)$
- (iii) $(2, -9)$ lies in fourth quadrant because it is of the type $(+, -)$.

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Question 5.**Solution:**

In the given equation, .

$$y = x + 1$$

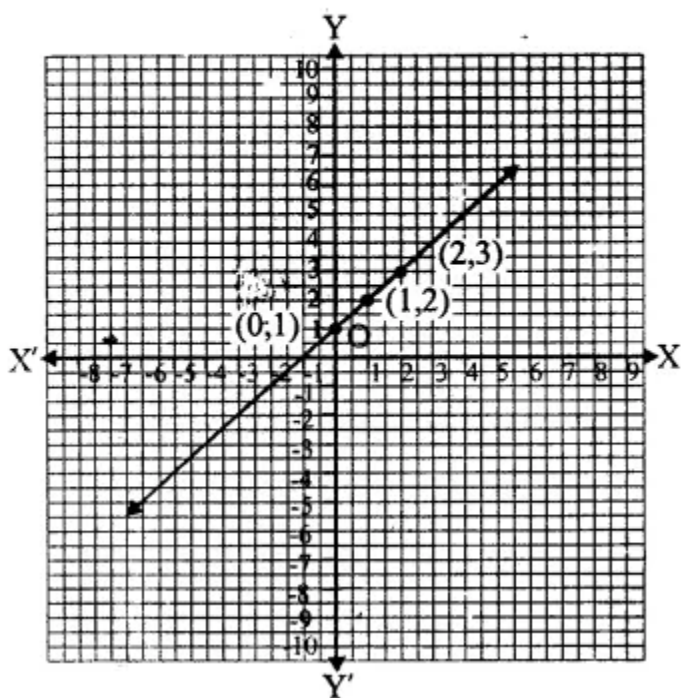
Put $x = 0$, then $y = 0 + 1 = 1$

$x = 1$, then, $y = 1 + 1 = 2$

$x = 2$, then, $y = 2 + 1 = 3$

Now, plot the points as given in the table given below on the graph, and join them as shown.

x	0	1	2
y	1	2	3

**Question 6.****Solution:**

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In the given equation

$$y = 3x + 2$$

Put $x = 0$,

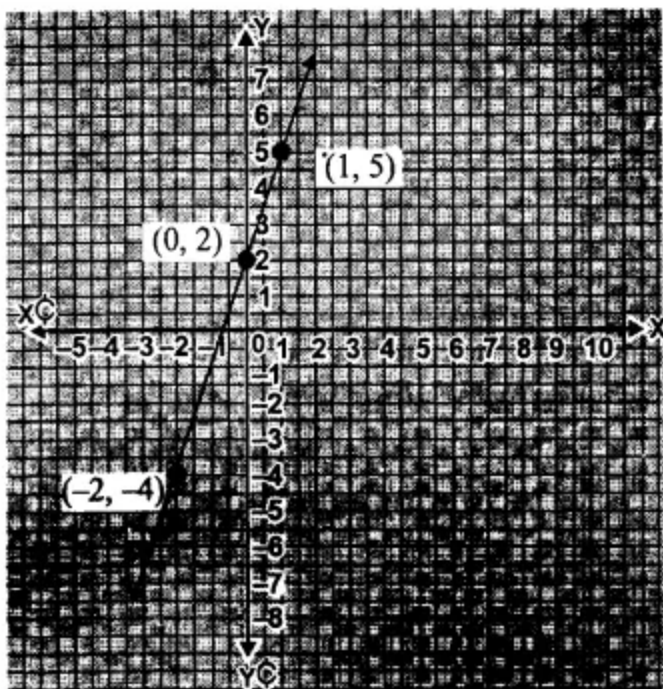
$$\text{then } y = 3 \times 0 + 2 = 0 + 2 = 2$$

$x = 1$, then

$$y = 3 \times 1 + 2 = 3 + 2 = 5$$

and $x = -2$, then

$$y = 3 \times (-2) + 2 = -6 + 2 = -4$$



Now, plot the points as given in the table given below

x	0	1	-2
y	2	5	-4

on the graph and join them as shown.

Question 7.

Solution:

In the given equation,

$$y = 5x - 3$$

$$\text{Put } x = 1, y = 5 \times 1 - 3 = 5 - 3 = 2$$

$x = 0$ then,

$$y = 5 \times 0 - 3 = 0 - 3 = -3$$

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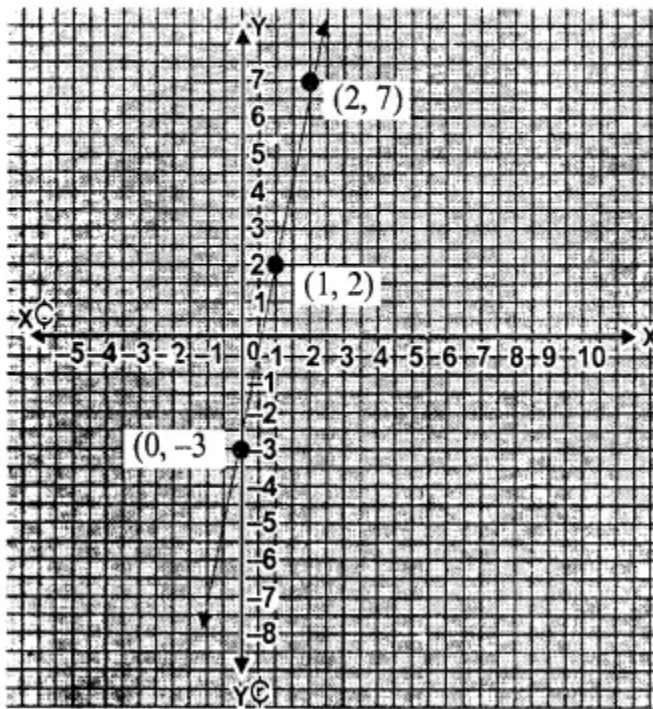
and $x = 2$, then

$$y = 5 \times 2 - 3 = 10 - 3 = 7$$

Now, plot the points as given in the table

x	1	1	0
y	2	-3	7

and join them as shown.

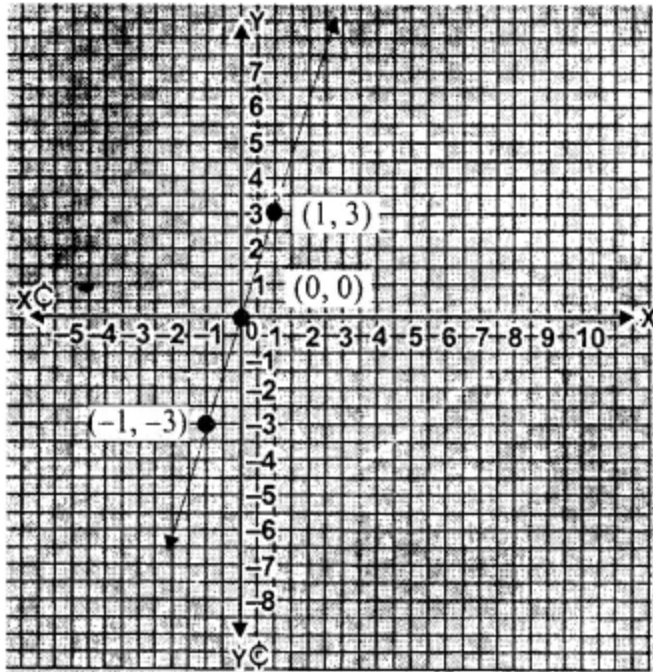


Question 8.

Solution:

In the given equation,

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$$y = 3x,$$

Put $x = 0$,

$$\text{then } y = 3 \times 0 = 0$$

Put $x = 1$, then

$$y = 3 \times 1 = 3$$

Put $x = -1$, then

$$y = 3(-1) = -3$$

Now, plot the points as given in the table below

x	0	1	-1
y	0	3	-3

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and join them as shown.

Question 9.

Solution:

In the given equation, $y = -x$,

Put $x = 1$,

then $y = -1$

Put $x = 2$, then

$y = -2$

Put $x = -2$, then

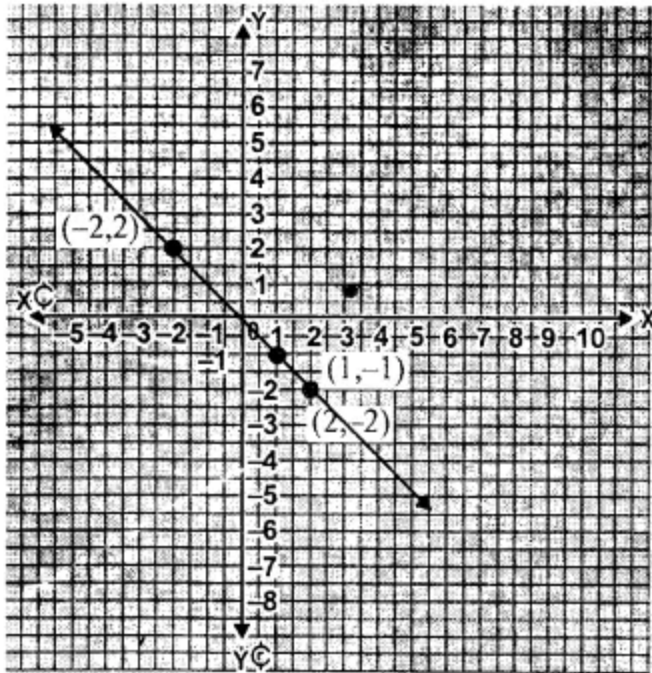
$y = -(-2) = 2$

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Now, plot the points as given in the table:

x	1	2	-2
y	-1	-2	2

and join them as shown.



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- Chapter 2–Polynomials
- Chapter 3–Introduction to Euclid’s Geometry
- Chapter 4–Lines and Triangles
- Chapter 5–Congruence of Triangles and Inequalities in a Triangle
- Chapter 6–Coordinate Geometry
- Chapter 7–Areas
- Chapter 8–Linear Equations in Two Variables
- Chapter 9–Quadrilaterals and Parallelograms
- Chapter 10–Area
- Chapter 11–Circle
- Chapter 12–Geometrical Constructions
- Chapter 13–Volume and Surface Area
- Chapter 14–Statistics
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He was born on January 2, 1946 in a village of Delhi. He graduated from Kirori Mal College, University of Delhi. After completing his M.Sc. in Mathematics in 1969, he joined N.A.S. College, Meerut, as a lecturer. In 1976, he was awarded a fellowship for 3 years and joined the University of Delhi for his Ph.D. Thereafter, he was promoted as a reader in N.A.S. College, Meerut. In 1999, he joined M.M.H. College, Ghaziabad, as a reader and took voluntary retirement in 2003. He has authored more than 75 titles ranging from Nursery to M. Sc. He has also written books for competitive examinations right from the clerical grade to the I.A.S. level.

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