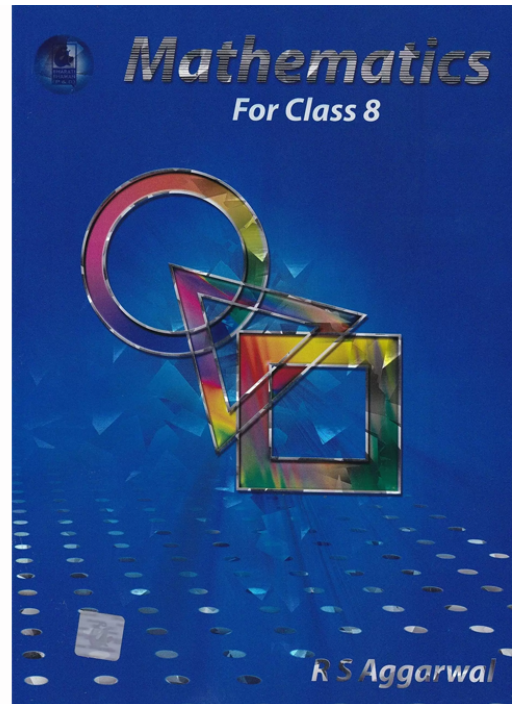


RS Aggarwal Solutions for Class 8

Maths Chapter 25–Graphs

Class 8 - Chapter 25 Graphs



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

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RS Aggarwal Solutions for Class 8 Maths Chapter 25–Graphs

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RS Aggarwal Solutions for Class 8 Maths Chapter 25–Graphs

RS Aggarwal 8th Maths Chapter 25, Class 8 Maths Chapter 25 solutions

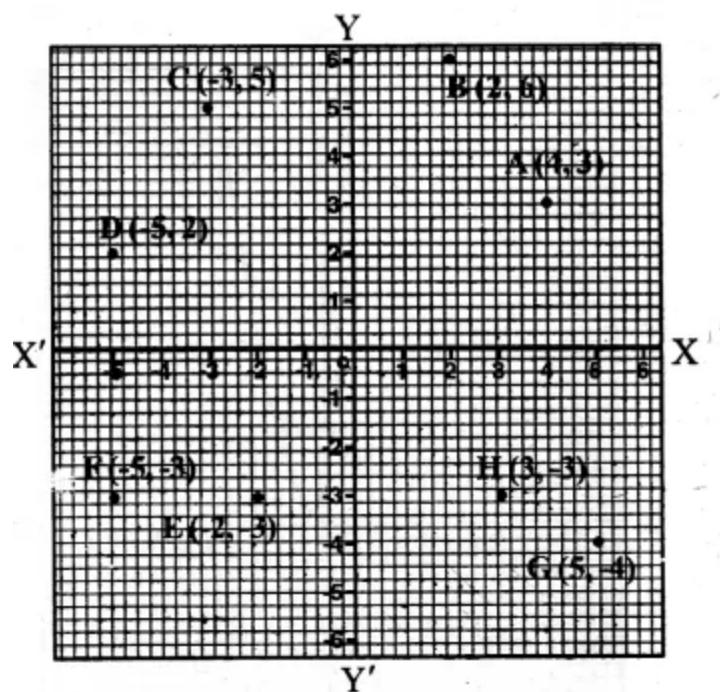
Ex 25A

Question 1.

Solution:

Below is given the graph in which $X'OX$ and YOY' are the co-ordinate axes intersecting each other at O . Now the points given have been plotted as shown on the graph.

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Ex 25B

Question 1.

Solution:

(a) $y = 3x$

By giving some different values to x , we shall get corresponding values of y .

$x = 1$ then $y = 3 \times 1 = 3$

if $x = 2$, then $y = 3 \times 2 = 6$

if $x = 0$, then $y = 3 \times 0 = 0$

x	1	2	0
y	3	6	0

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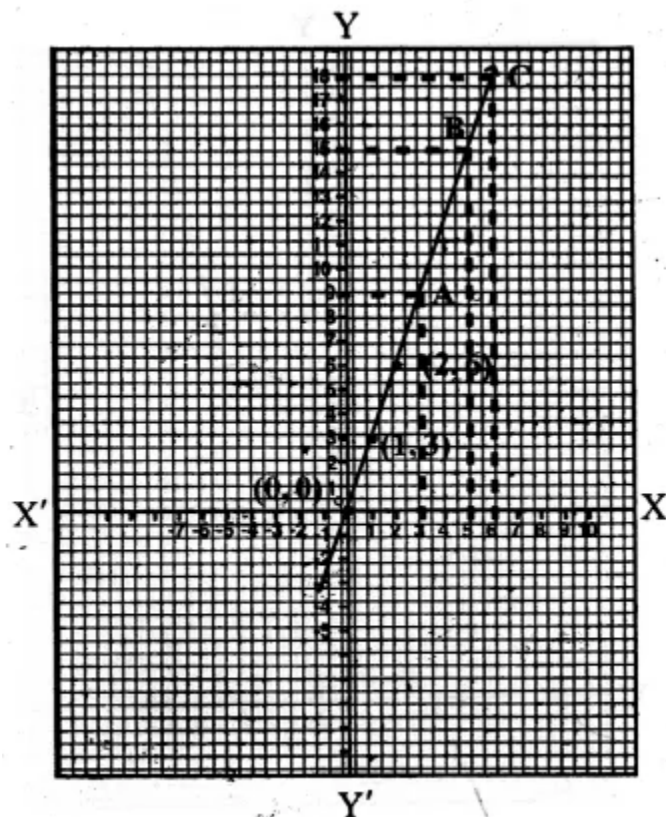
Now plotting the points given above, and joining them.

(b) We get a line, From the graph.

(i) When $x = 3$, then $y = 9$

(ii) When $x = 5$, then $y = 15$

(iii) When $x = 6$, then $y = 18$ Ans.



Question 2.

Solution:

(a) $P = 4x$

By giving some different values to x , we get the corresponding values of y or P

If $x = 1$, then $P = 4 \times 1 = 4$

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if $x = 2$, then $P = 4 \times 2 = 8$

if $x = 0$, then $P = 4 \times 0 = 0$

x	1	2	0
y or P	4	8	0

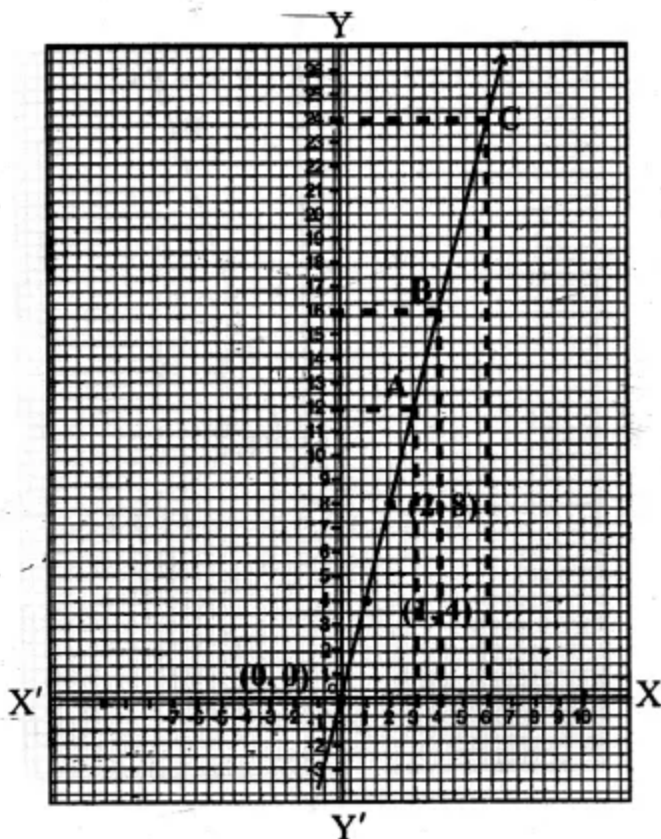
Plot the points $(1, 4)$, $(2, 8)$ and $(0, 0)$ on the graph and join them to get the graph of $P = 4x$ as shown

(b) From the graph we see that

(i) When $x = 3$, then $P = 12$

(ii) When $x = 4$, then $P = 16$

(iii) When $x = 6$, then $P = 24$ Ans.



Question 3.

Solution:

$$A = x^2$$

giving some values to x , we get corresponding values of y or A

$$\text{If } x = 1, \text{ then } y \text{ or } A = (1)^2 = 1$$

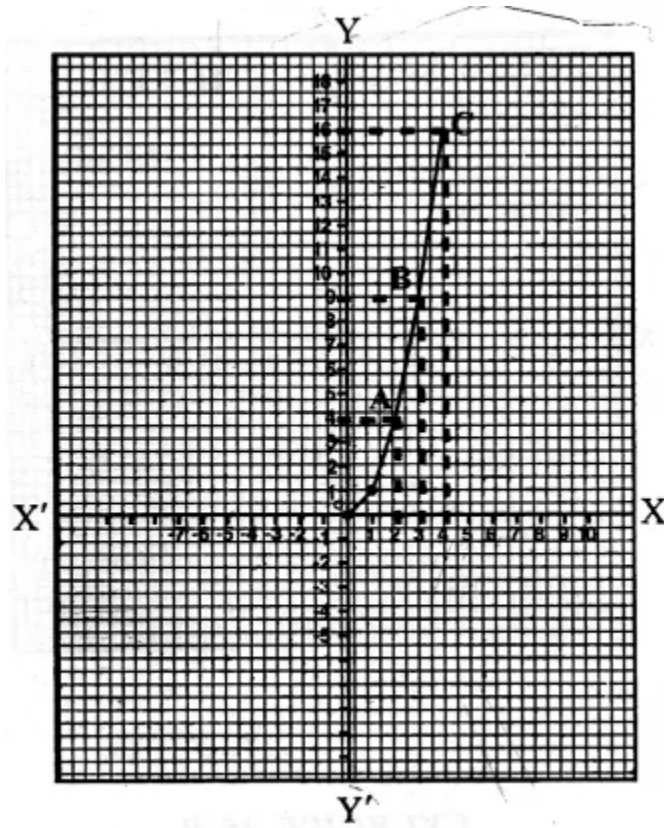
$$\text{If } x = 2, \text{ then } y \text{ or } A = (2)^2 = 4$$

$$\text{If } x = 0, \text{ then } y \text{ or } A = (0)^2 = 0$$

x	1	2	0
A	1	4	0

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Now plot the point (1, 1), (2, 4), (0, 0) on the graph, and join them to get the graph of $A = x^2$ as shown



(b) From the graph we see that

(i) When $x = 2$, then $A = 4$

(ii) When $x = 3$, then $A = 9$

(ii) When $x = 4$ then $A = 16$ Ans.

Ex 25C

Question 1.

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Solution:

Answer = (a)

$\therefore$ In point (3, 6), both x and y are positive.

Question 2.

Solution:

Answer = (c)

$\therefore$ In point (- 7, - 1) both x and y are negative.

Question 3.

Solution:

Answer = (d)

$\therefore$ In point (2, - 3), x is positive and y is negative.

Question 4.

Solution:

Answer = (b)

$\therefore$ In point (- 4, 1), x is negative and y is positive.

Question 5.

Solution:

Answer = (c)

$\therefore$ Abscissa is distance of a point from y- axis

Question 6.

Solution:

Answer = (d)

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$y = a$ is a line parallel to x-axis at a distance of 'a' units.

Question 7.

Solution:

Answer = (a)

The equation of the line y-axis, is $x = 0$



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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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