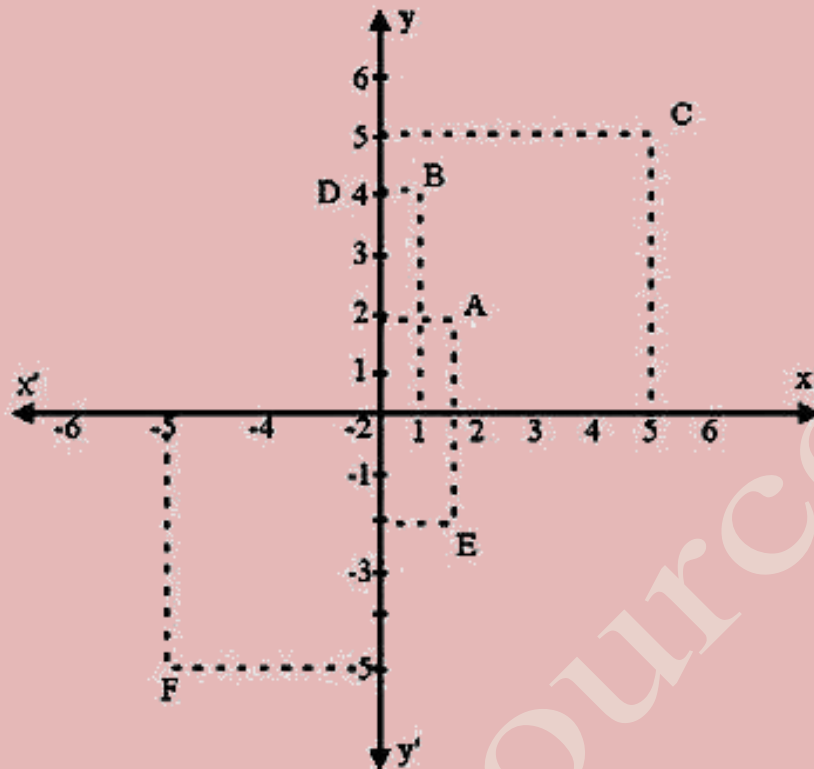


Important Questions
CLASS VIII: CHAPTER - 15
INTRODUCTION TO GRAPH

- Q1:** Draw the graph of $y = 3x$. From the graph, find the value of y when (i) $x = 4$ and (ii) $x = 5$.
- Q2:** Consider the relation between the perimeter and the side of a square, given by $P = 4a$. Draw a graph to show this relation. From the graph, find the value of P when (i) $a = 4$ and (ii) $a = 5$.
- Q3:** Consider the relation between the area and the side of a square, given by $A = x^2$. Draw a graph to show this relation. From the graph, find the value of P when $x = 4$.
- Q4:** Simple interest on a certain sum is Rs. 40 per year then $S = 40x$, where x is the number of years. Draw a graph of this relation. From the graph, find the value of S when (i) $x = 5$ and (ii) $x = 6$.
- Q5:** Consider the relation between the perimeter and the side of a regular pentagon, given by $P = 5a$. Draw a graph to show this relation. From the graph, find the value of P when (i) $a = 4$ and (ii) $a = 5$.
- Q6:** Plot each of the following points A (2, 3), B (5, 3), C (5, 5) and D (2, 5). Join the points in order then write the figure obtained.
- Q7:** Plot any three points such that x -coordinates of each point are equal to its y -coordinates. Join these points in pairs. Do they lie on a line passing through the origin?
- Q8:** Plot the points A (5, 5) and (-5, 5) on a graph sheet. Join the lines OA, OB and BA. Name the figure obtained and find the area of the figure so obtained.
- Q9:** Plot the points (0, 2), (3, 0), (-3, 0) and (0, -2) in the graph sheet. Join these points. Name the figure obtained and find the area of the figure so obtained.
- Q10:** From below figure, find the coordinates of the points A, B, C, D, E and F. What of the points are mirror images in (i) x - axis (ii) y - axis.



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