

Introduction to Graphs

Question 1.

Find the coordinates of the point A from the graph.

- (a) (-4, 5)
- (b) (-4, 0)
- (c) (0, -4)
- (d) none of these

Answer: (b) (-4, 0)

Question 2.

Which of the following statements is true?

- (a) The X-axis is a vertical line.
- (b) The Y-axis is a horizontal line.
- (c) The scale on both the axes must be the same in a Cartesian plane.
- (d) The point of intersection between the X-axis and Y-axis is called the origin.

Answer: (d) The point of intersection between the X-axis and Y-axis is called the origin.

Question 3.

The line graph shows the yearly sales figure for a manufacturing company. From the graph, what were the sales in 2006?

- (a) Rs 8 millions
- (b) Rs 4 millions
- (c) Rs 3 millions
- (d) Rs 5 millions

Answer: (a) Rs 8 millions

Question 4.

In which quadrant does the point Q (-2, -6) lie?

- (a) I

- (b) II
- (c) IV
- (d) III

Answer: (d) III

Question 5.

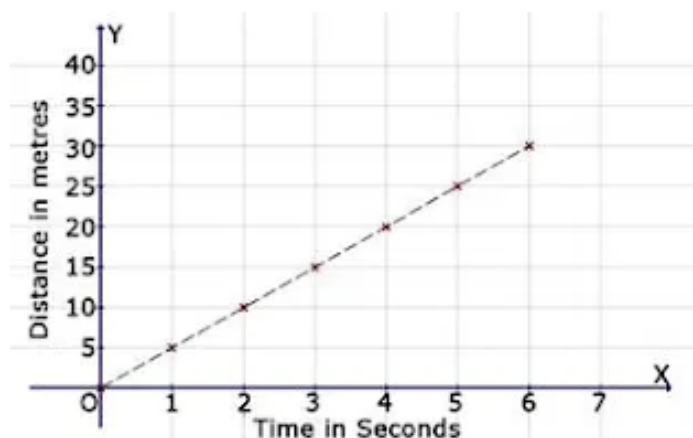
Which of the points given is a point on the X-axis?

- (a) (5,0)
- (b) (0,5)
- (c) (5,3)
- (d) (3,5)

Answer: (a) (5,0)

Question 6.

Find the distance covered in 2 seconds.

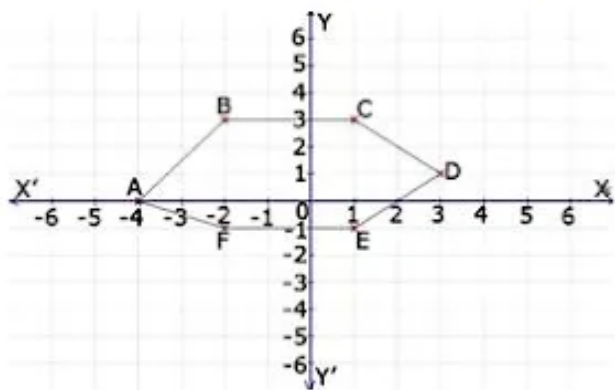


- (a) 15 m
- (b) 20 m
- (c) 25 m
- (d) 10 m

Answer: (d) 10 m

Question 7.

Find the coordinates of the point E from the graph.

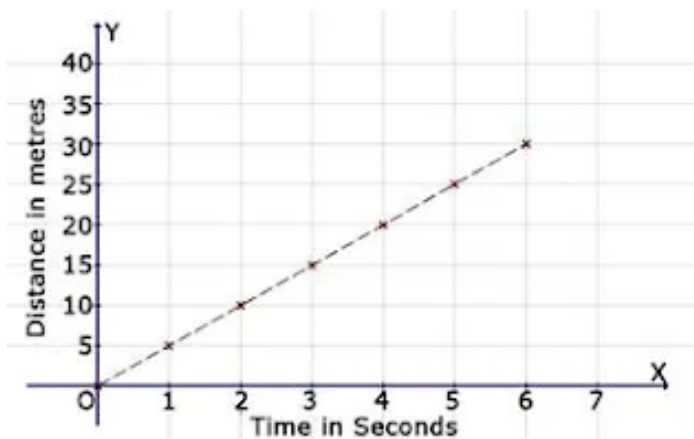


- (a) (1, -1)
 (b) (-4, 5)
 (c) (0, -4)
 (d) None of these

Answer: (a) (1, -1)

Question 8.

Find the distance covered in 6 seconds.

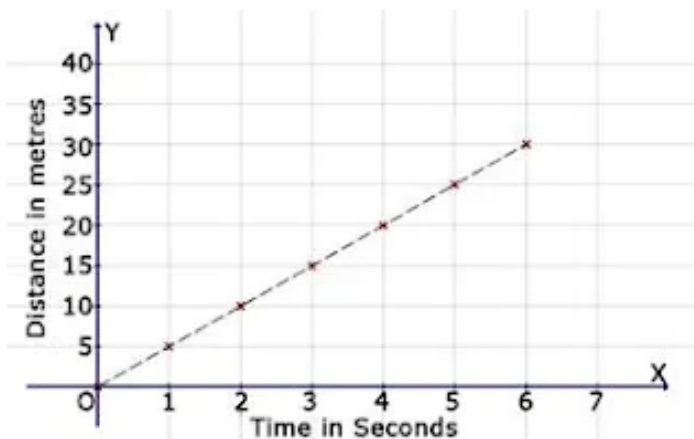


- (a) 30 m
 (b) 35 m
 (c) 25 m
 (d) none of these

Answer: (a) 30 m

Question 9.

Find the distance covered in 7 seconds.

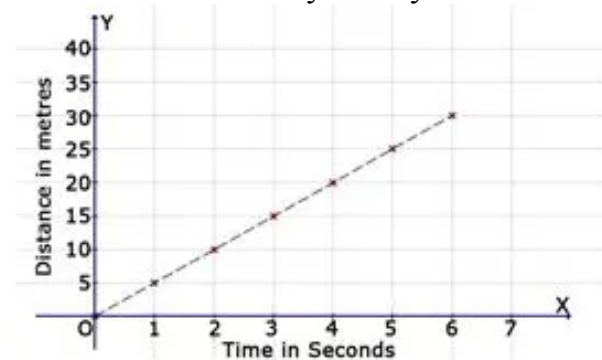


- (a) 30 m
- (b) 25 m
- (c) 35 m
- (d) 20 m

Answer: (c) 35 m

Question 10.

Find the time taken by a body to cover 5 metres.

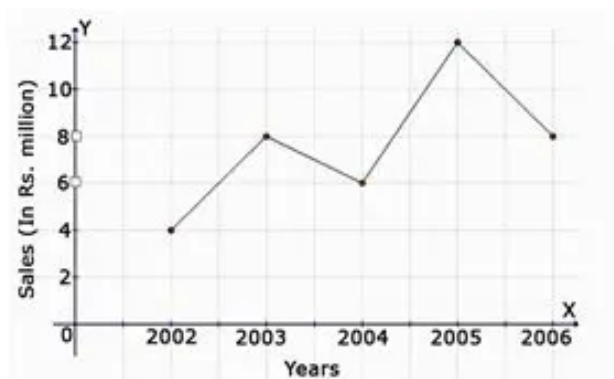


- (a) 3 seconds
- (b) 4 seconds
- (c) 5 seconds
- (d) 1 second

Answer: (d) 1 second

Question 11.

The line graph shows the yearly sales figure for a manufacturing company. From the graph, what were the sales in 2004?



- (a) Rs 5 millions
- (b) Rs 3 millions
- (c) Rs 4 millions
- (d) Rs 6 millions

Answer: (d) Rs 6 millions

Question 12.

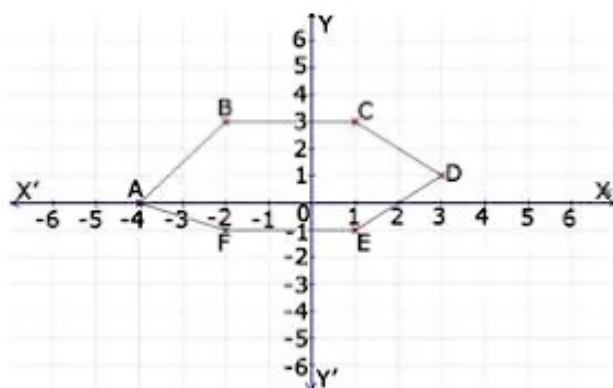
On which axis does the point $(-1, 0)$ lie?

- (a) x-axis
- (b) origin
- (c) y-axis
- (d) None of these

Answer: (a) x-axis

Question 13.

Find the coordinates of the point C from the graph.



- (a) $(1, 3)$
- (b) $(-4, 5)$

- (c) $(0, -4)$
(d) None of these

Answer: (a) $(1, 3)$

Question 14.

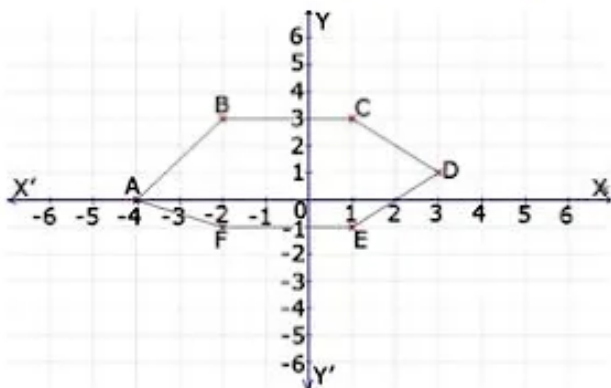
On which axis does the point $(0, 5)$ lie?

- (a) origin
(b) x-axis
(c) y-axis
(d) None of these

Answer: (c) y-axis

Question 15.

Find the coordinates of the point F from the graph.

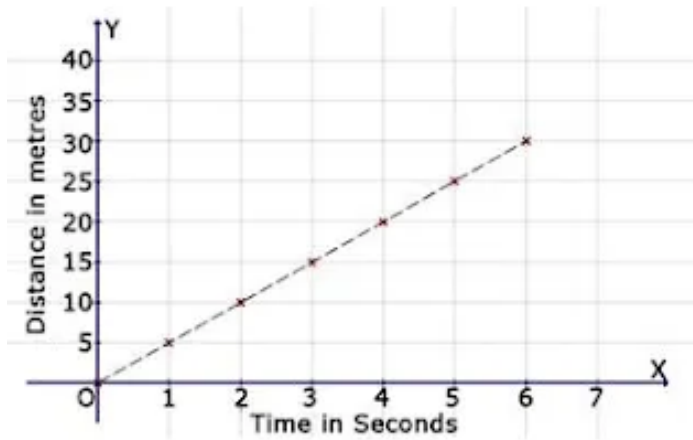


- (a) $(-4, 5)$
(b) $(-2, -1)$
(c) $(0, -4)$
(d) None of these

Answer: (b) $(-2, -1)$

Question 16.

Find the distance covered in 5 seconds.



- (a) 25 m
- (b) 10 m
- (c) 20 m
- (d) none of these

Answer: (a) 25 m
