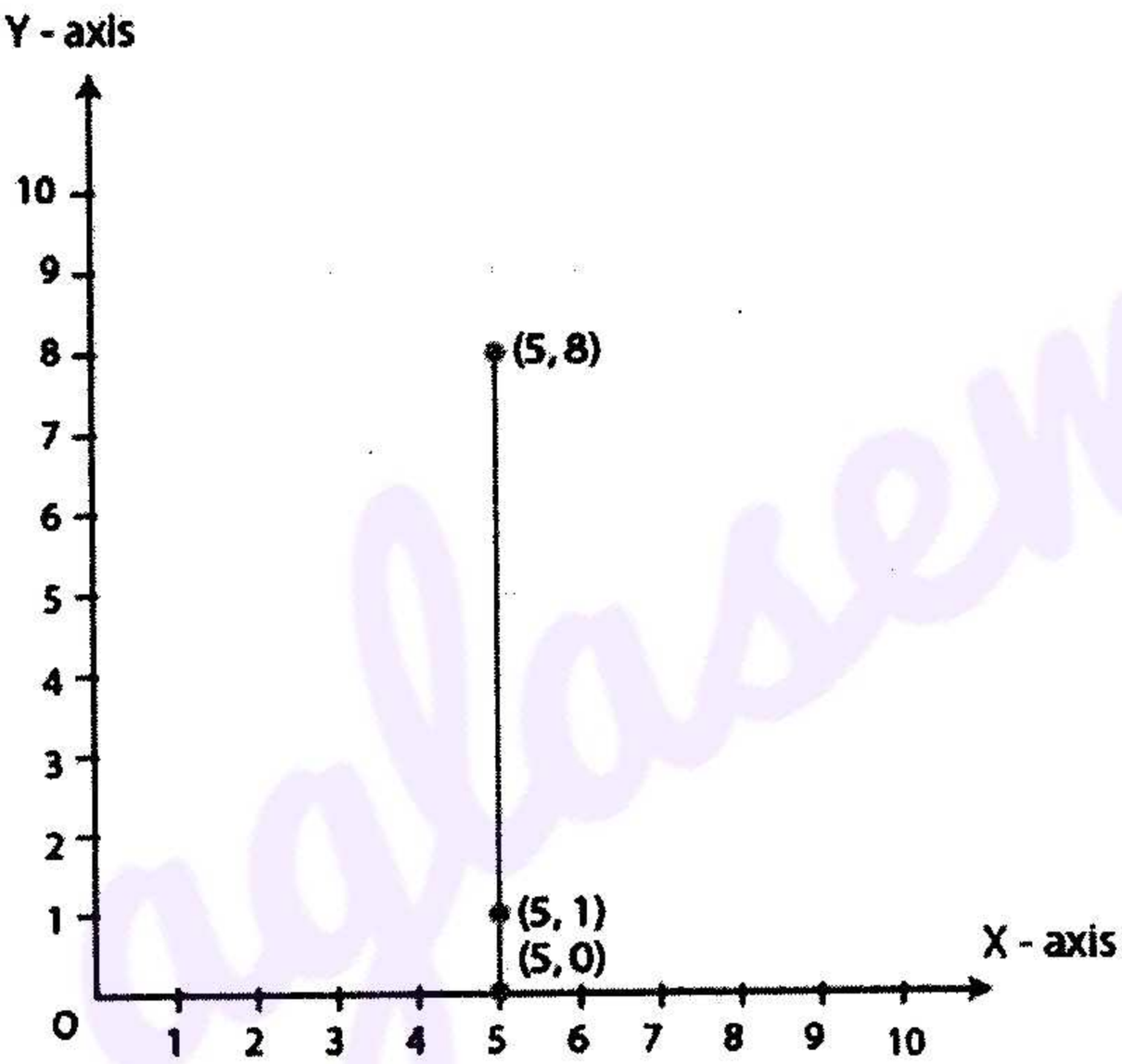
Chapter - 27

Introduction to graph

Exercise 27-1

Q.1 Plot the points (5,0) (5,1) (5,8). Do they lie on a line. what is your observation?

Sol

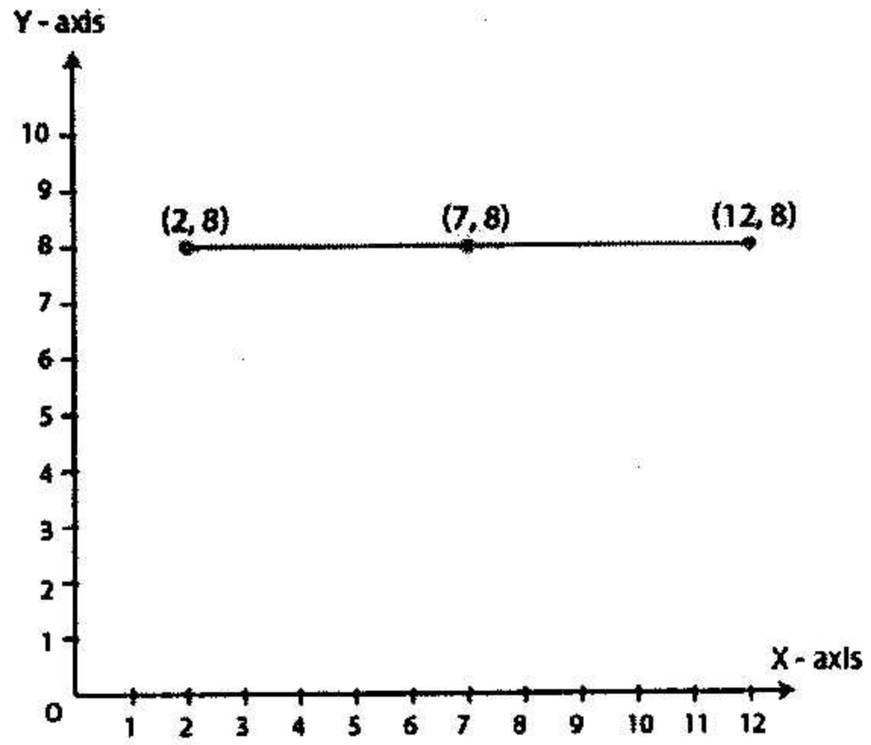


Yes, they lie on a line.

Q.2 Plot the points (2,8), (7,8) and (12,8). Join these points in pairs. Do they lie on a line? what do you observe?

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Q.3 Locate the points :

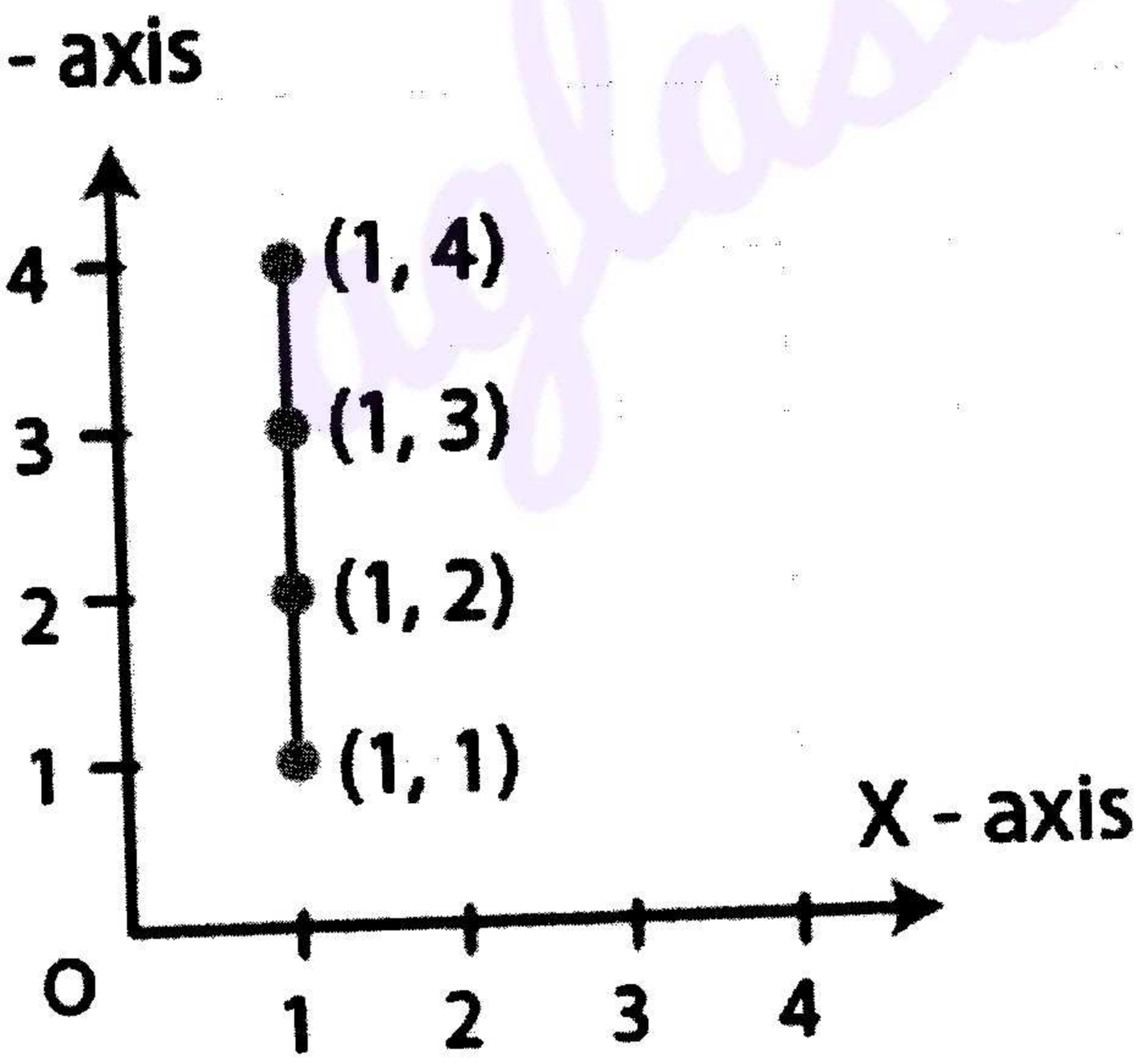
(i) (1,1) (1,2) (1,3) (1,4)

(ii) (2,1) (2,2) (2,3) (2,4)

(iii) (1,2) (2,3) (3,3) (4,3)

(iv) (1,4) (2,4) (3,4) (4,4)

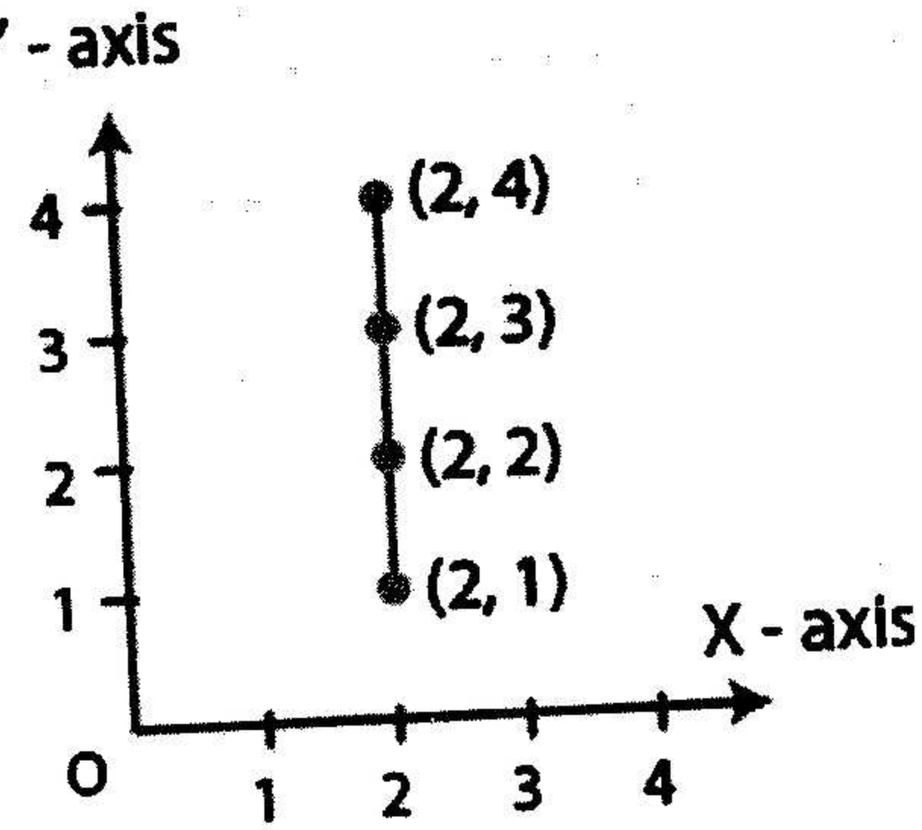
Sol!

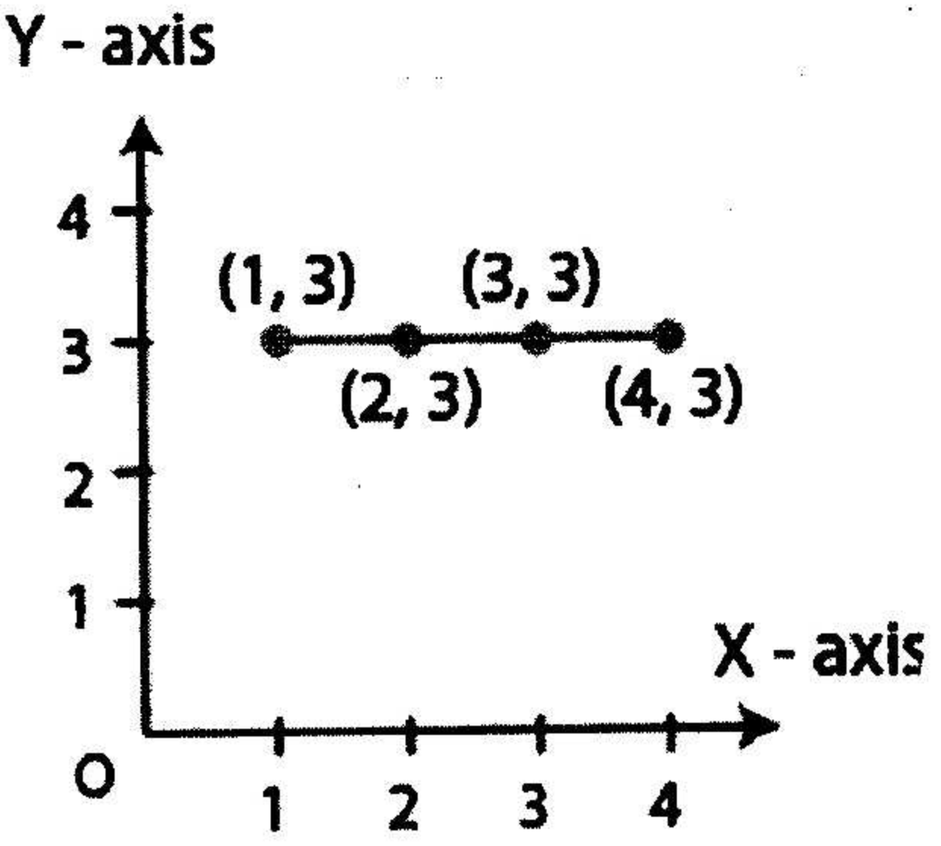


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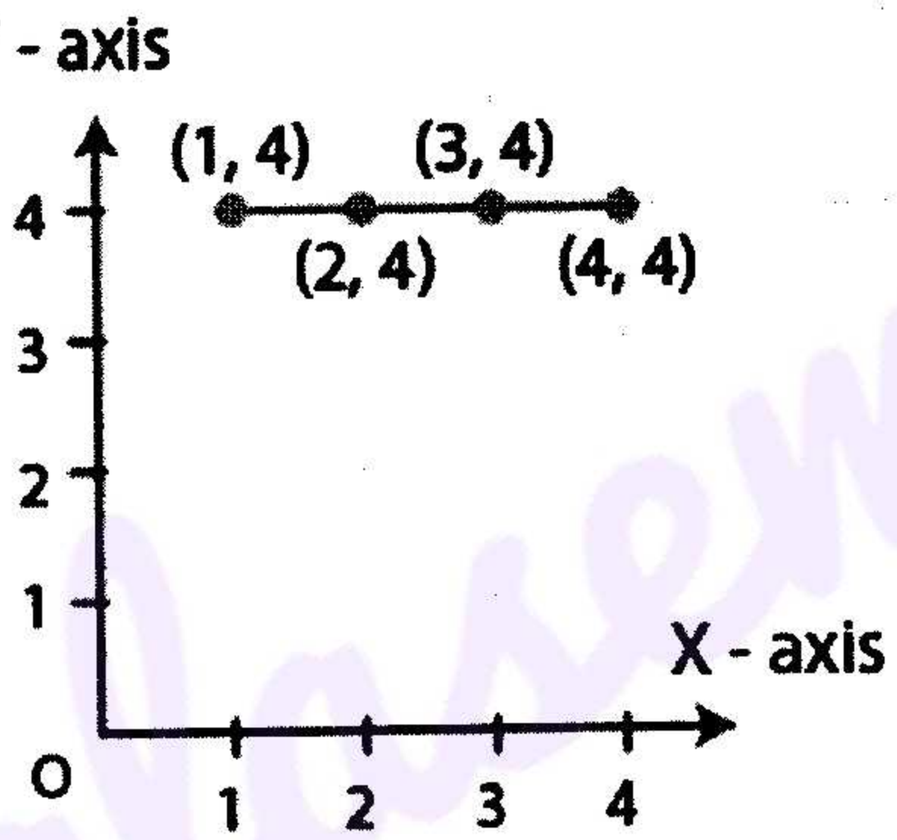
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(ii)

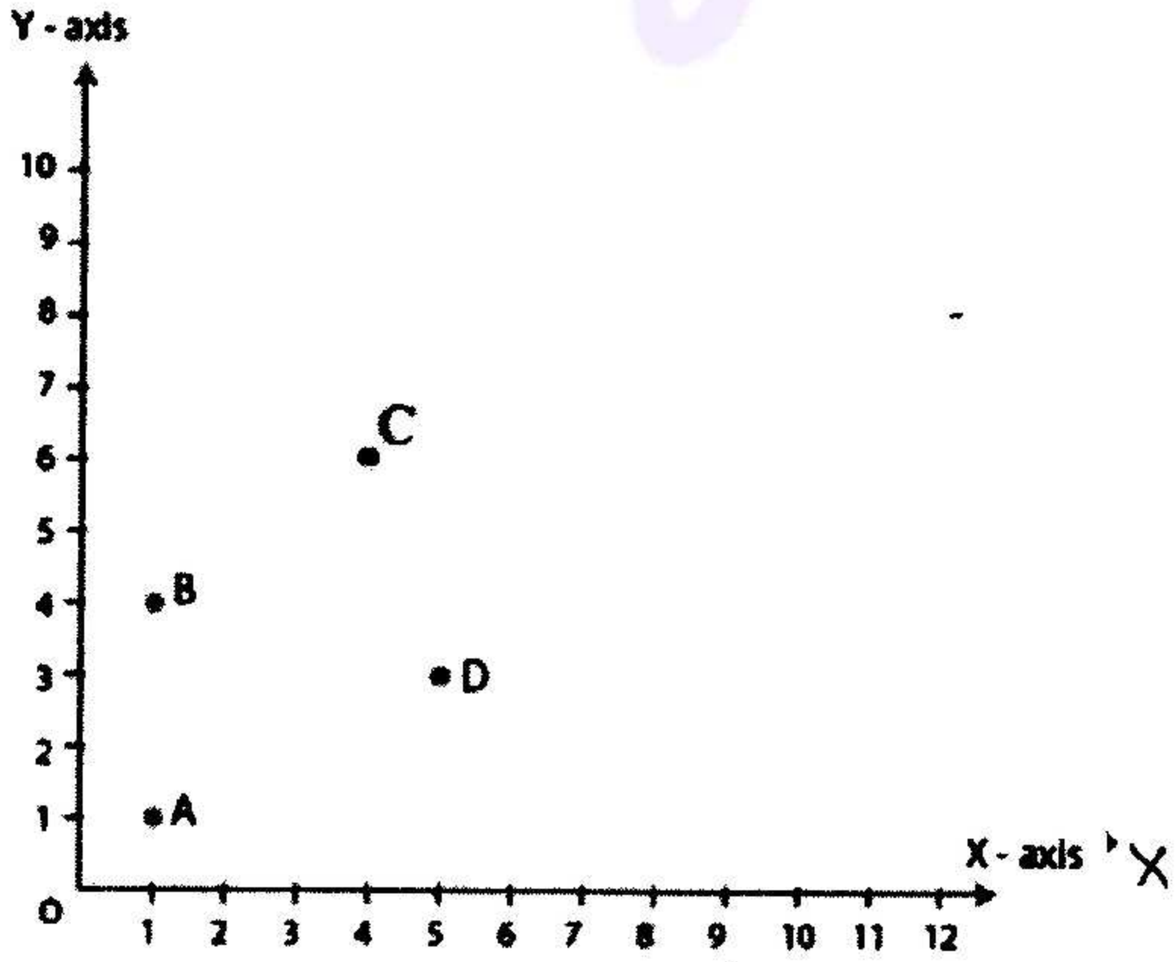




(iii)



Q.4 Find the coordinates of points A, B, C, D in fig 27.7.

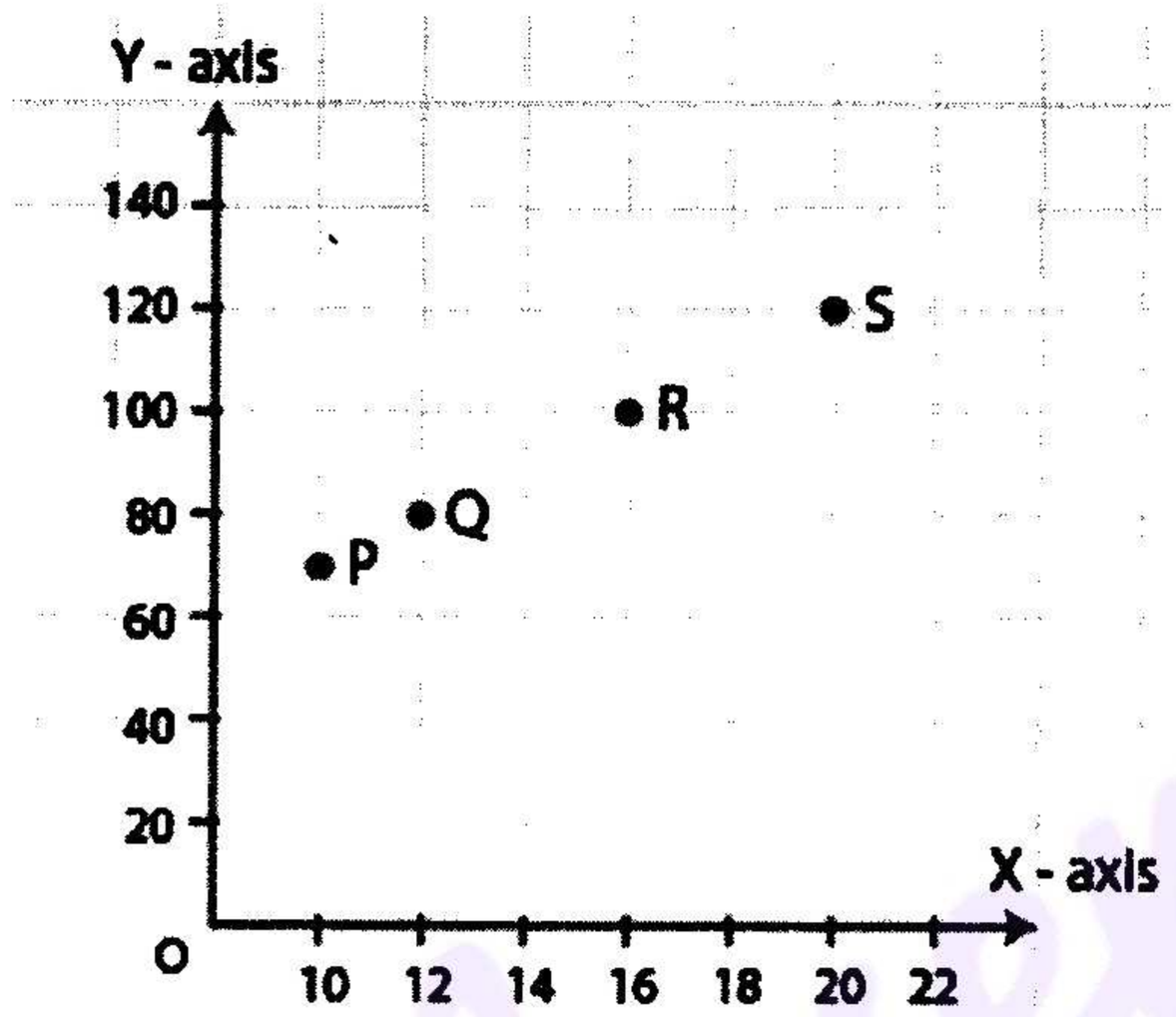


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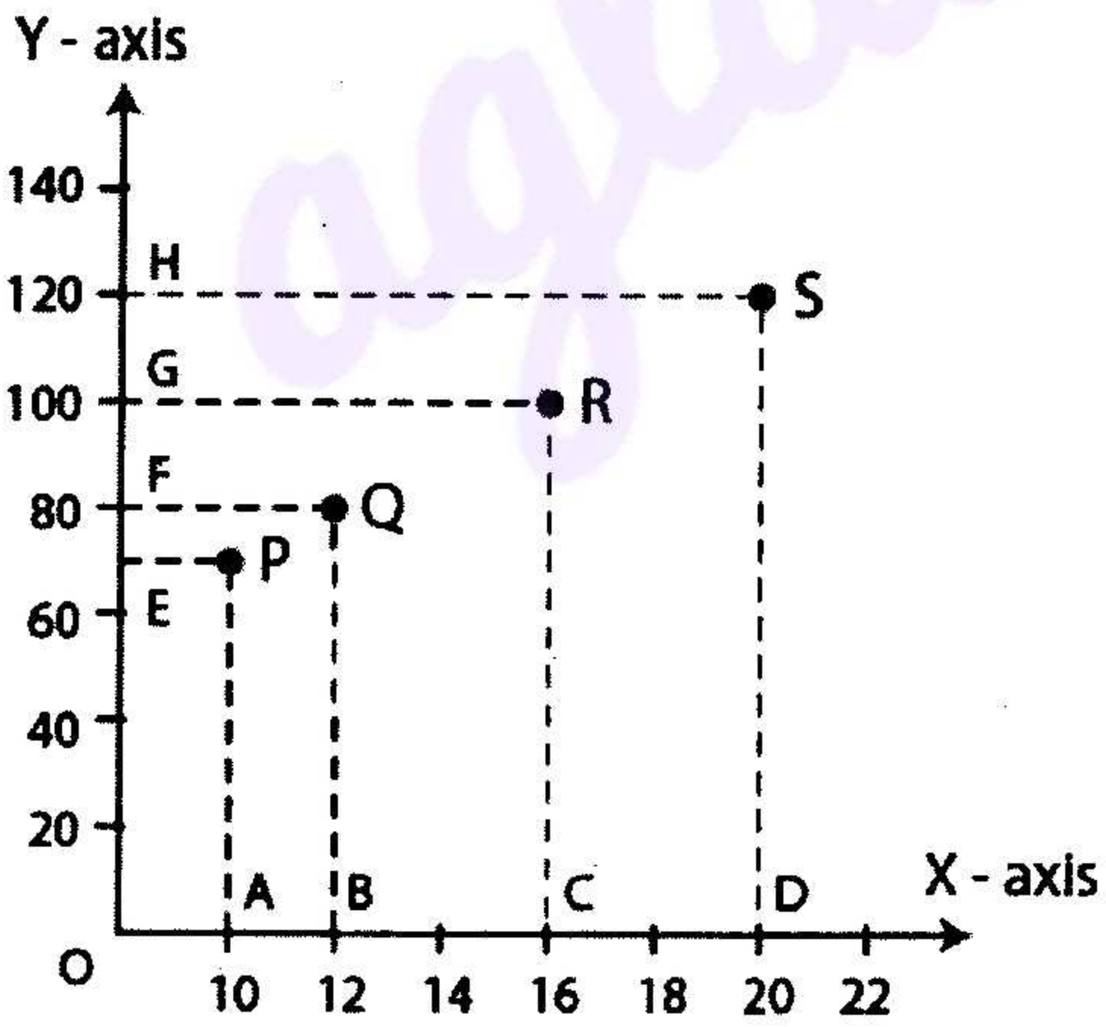
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Sol: A(1,1), B(1,4), C(4,6), D(5,3)

Q.5 Find the coordinates of points P, Q, R and S in fig. 27.8



Sol:



P(10,70), Q(12,80), R(16,100), S(20,120)

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Q.6 Write the coordinates of each vertices of each polygon in fig. 27-9.

Sol:

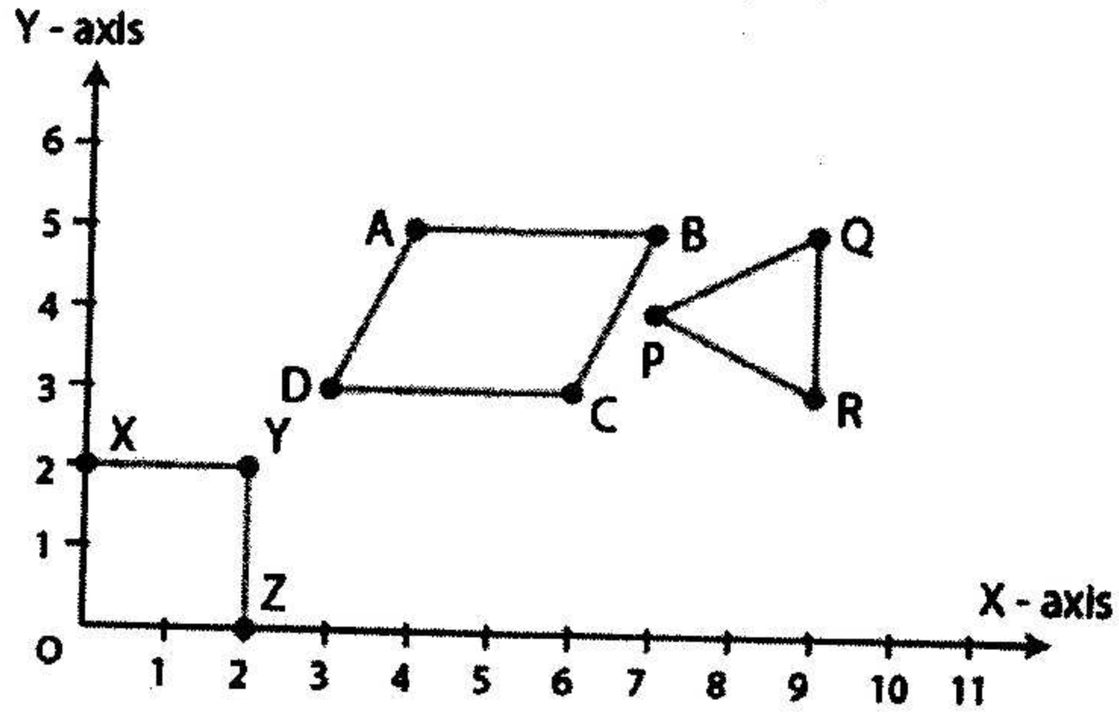
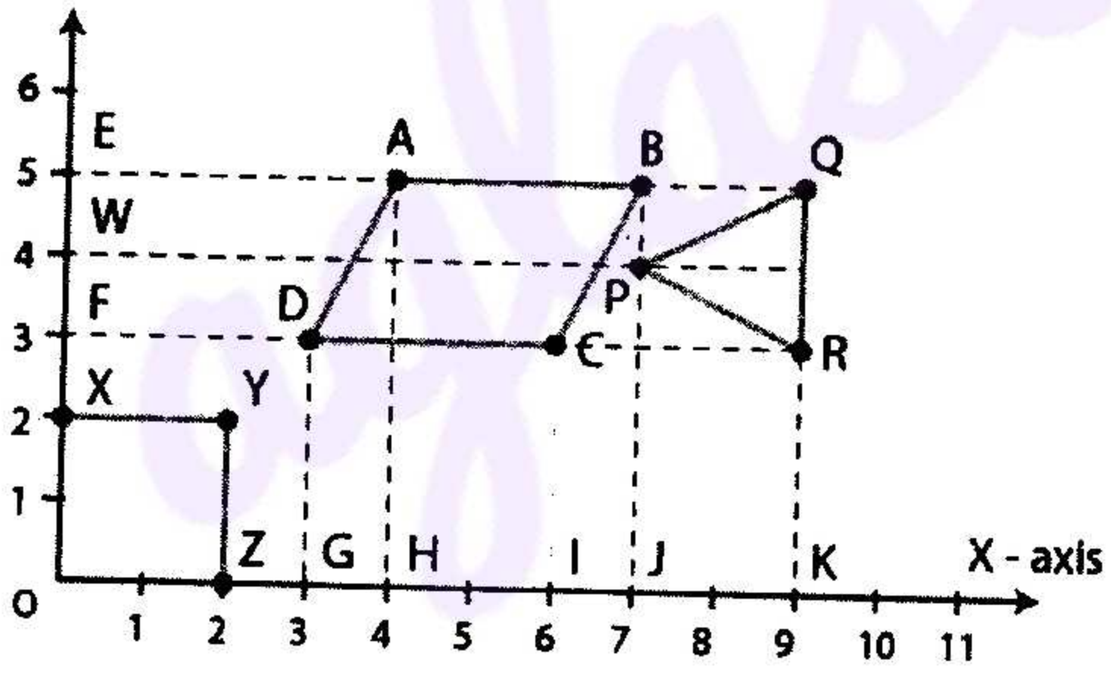


Fig. 27.9

Solution:



O(0,0), X(0,2), Y(2,2), Z(2,0)

A(4,5), B(7,5), C(6,3), D(3,3)

P(7,4), Q(9,5), R(9,3)

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