

NCERT SOLUTIONS OF Graph's Exercise 2

Question 1

Plot the following points on a graph sheet. Verify if they lie on a line

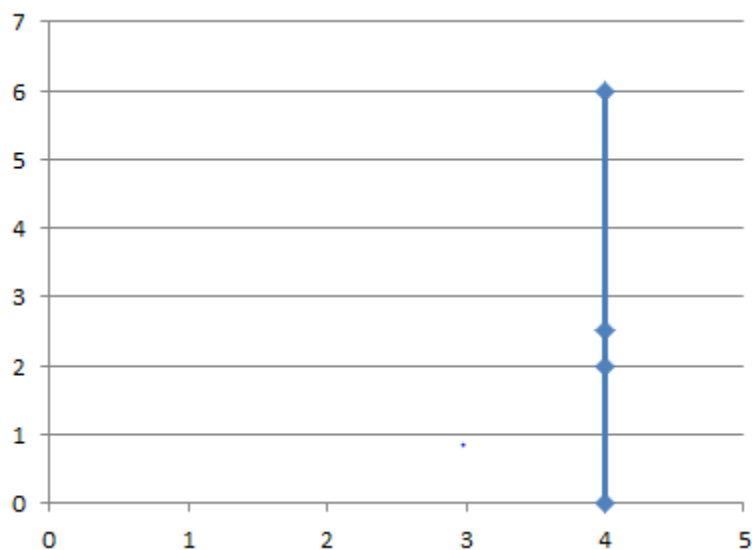
(a) A(4, 0), B(4, 2), C(4, 6), D(4, 2.5)

(b) P(1, 1), Q(2, 2), R(3, 3), S(4, 4)

(c) K(2, 3), L(5, 3), M(5, 5), N(2, 5)

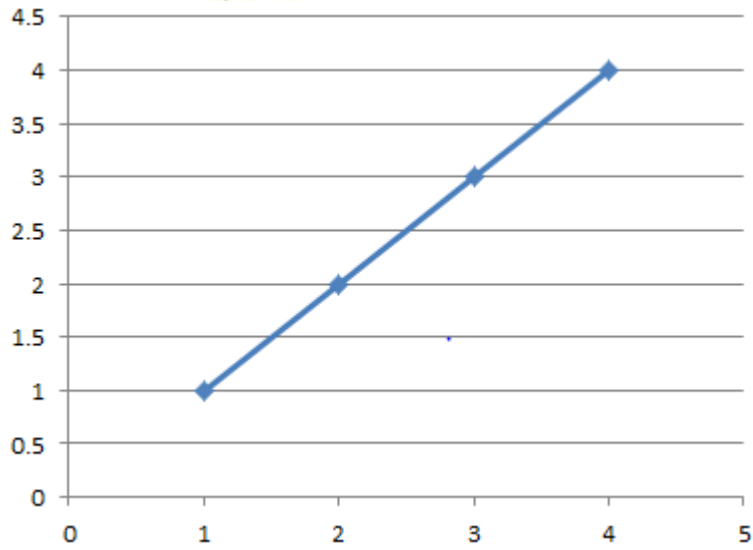
Answer:

a)

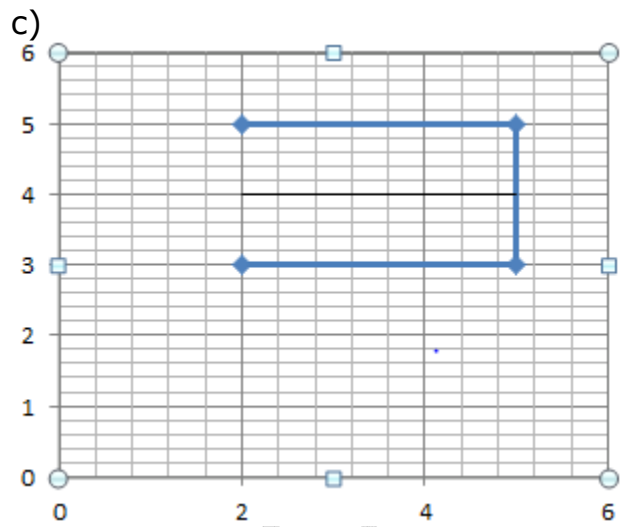


As we can see, all the points lie on the straight line

b)



As we can see, all the points lie on the straight line

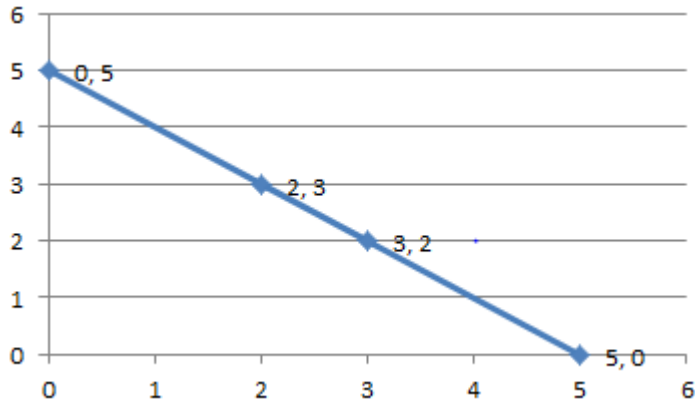


The points does not lie in straight line

Question 2

Draw the line passing through the points (2,3) and (3,2) and find the coordinate of the points at which it meets x -axis and y -axis

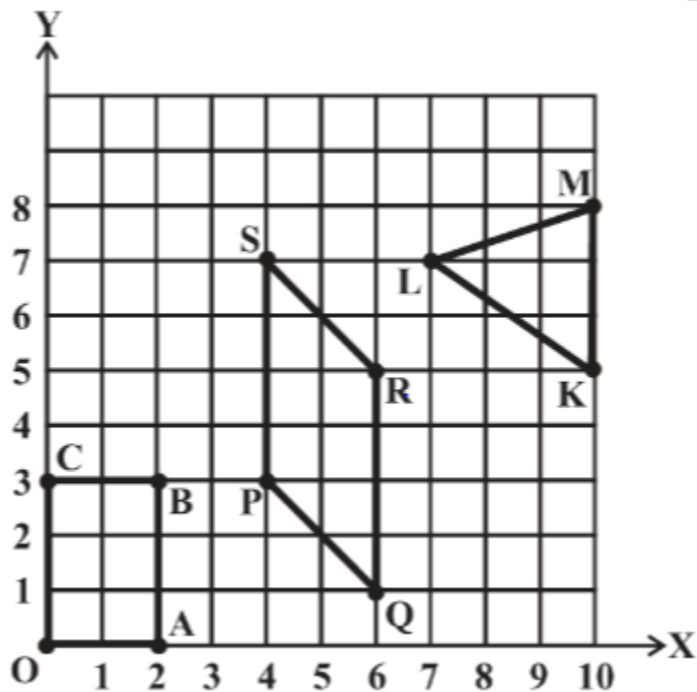
Answer



The points where it intersect x-axis and y-axis are 0,5 and 5,0

Question 3

Find the coordinates of each points in the below graph



Answer:

O (0, 0), A (2, 0), B (2, 3), C (0, 3)

P (4, 3), Q (6, 1), R (6, 5), S (4, 7)

K (10, 5), L (7, 7), M (10, 8)

Question 4

State whether True or False. Correct those are false.

- (i) A point whose x coordinate is zero and y-coordinate is non-zero will lie on the y-axis.
- (ii) A point whose y coordinate is zero and x-coordinate is 5 will lie on y-axis.
- (iii) The coordinates of the origin are (0, 0).

Answer

- i) True
- ii) False
- iii) True