Under CSR Support by ipca | Foundation

missiongyan



CLASS – 9

MATHS

Chapter - 3

Coordinate Geometry

Part – 2

Exercise 3.1 & 3.2

Vikas Saini

Under CSR Support by
ipca | Foundation

missiongyan
LET'S LEARN TOGETHER

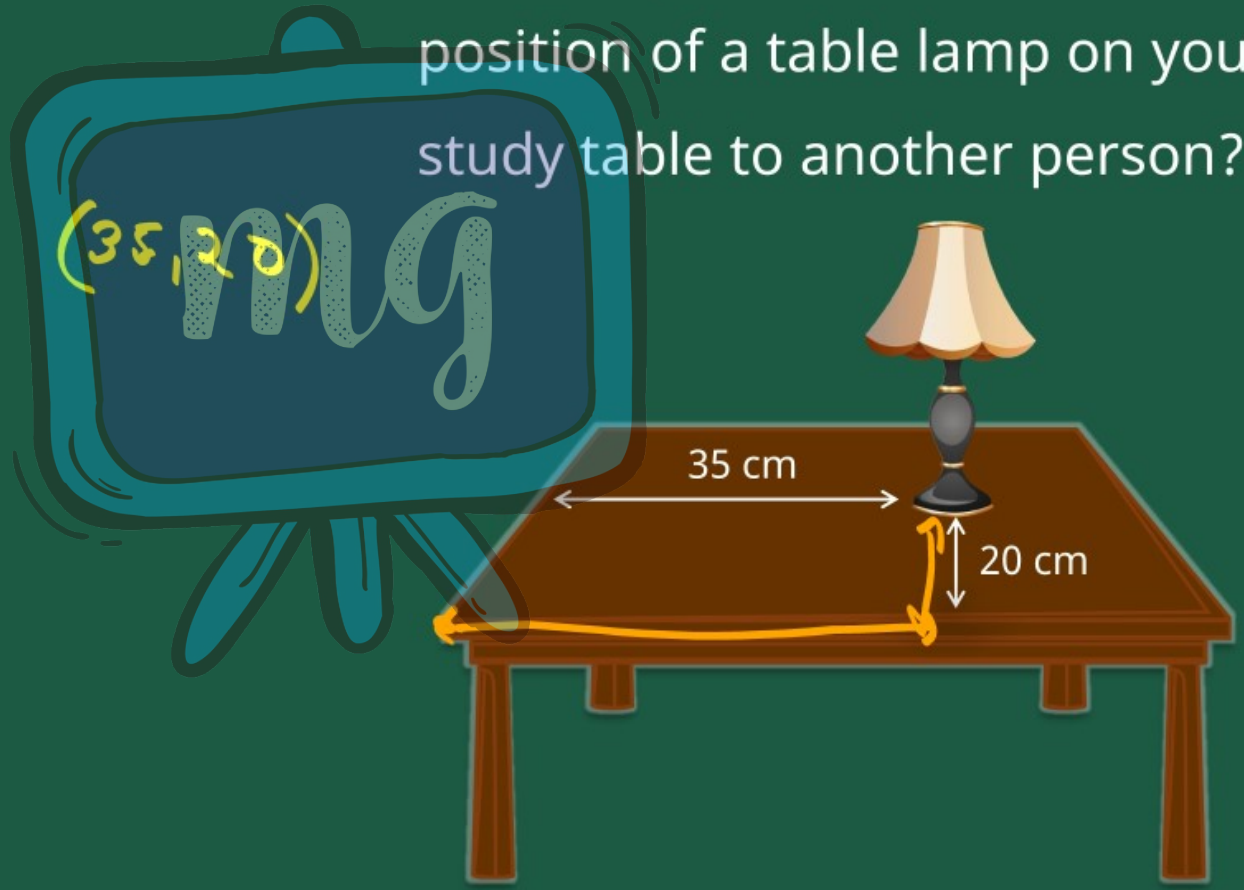


Exercise 3.1

Under CSR Support by ipca | Foundation

missiongyan LET'S LEARN TOGETHER

1. How will you describe the position of a table lamp on your study table to another person?



Under CSR Support by
ipca | Foundation

missiongyan
LET'S LEARN TOGETHER



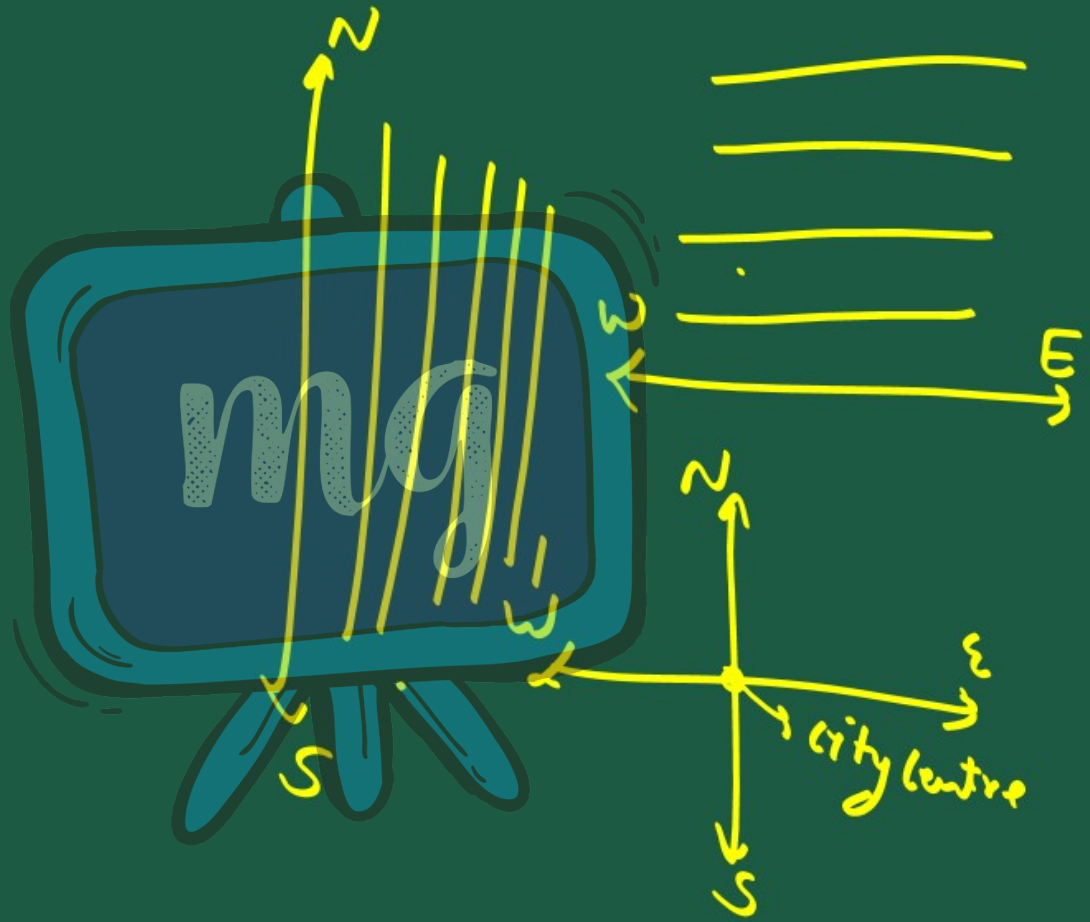
Under CSR Support by ipca | Foundation

missiongyan LET'S LEARN TOGETHER

2. **(Street Plan) :** A city has two main roads which cross each other at the centre of the city. These two roads are along the North-South direction and East-West direction.
All the other streets of the city run parallel to these roads and are 200 m apart.
There are 5 streets in each direction. Using 1cm = 200 m, draw a model of the city on your notebook. Represent the roads/streets by single lines.

Under CSR Support by
ipca | Foundation

missiongyan
LET'S LEARN TOGETHER



Under CSR Support by ipca | Foundation

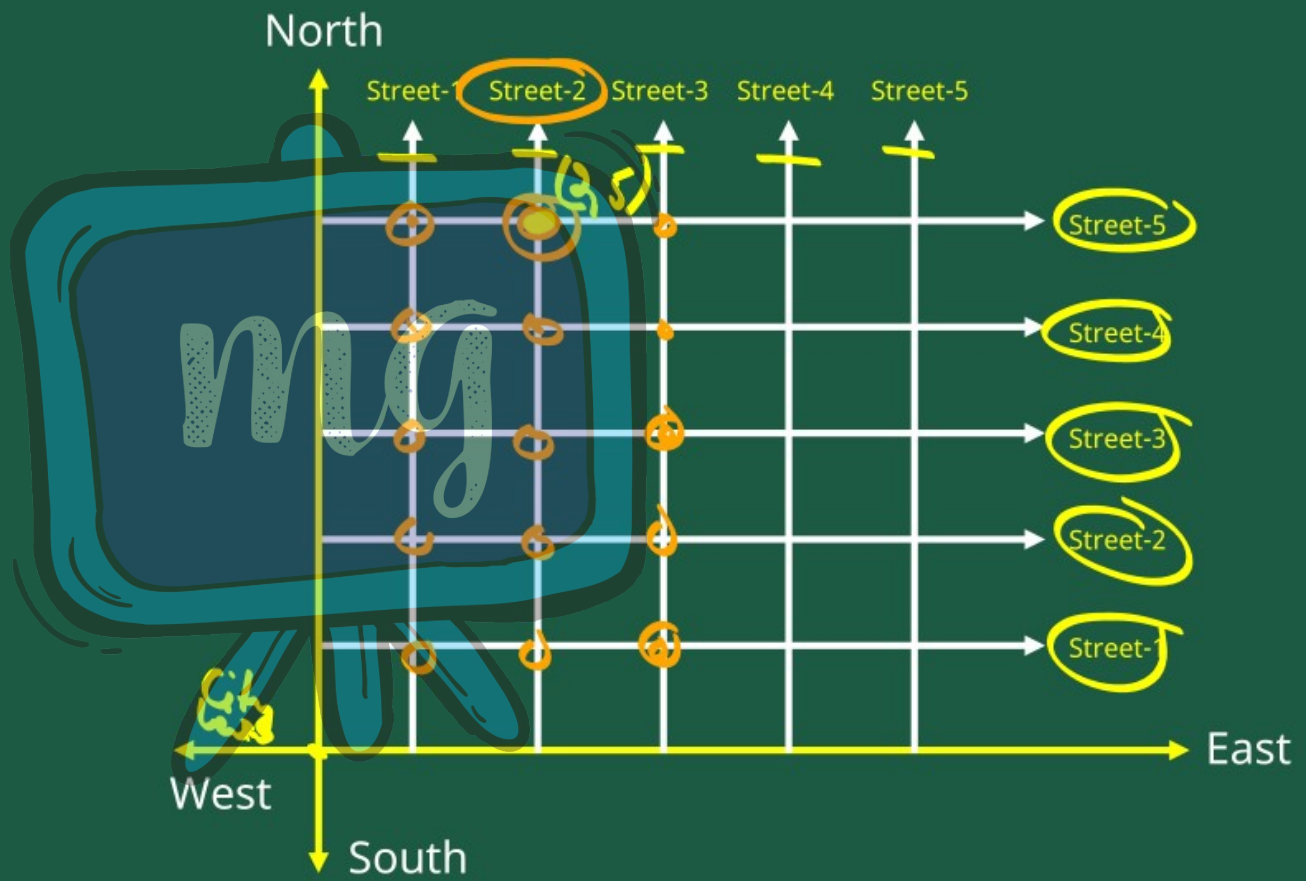
missiongyan LET'S LEARN TOGETHER

There are many cross- streets in your model. A particular cross-street is made by two streets, one running in the North - South direction and another in the East – West direction.

Each cross street is referred to in the following manner : If the 2nd street running in the North - South direction and 5th in the East - West direction meet at some crossing, then we will call this cross-street (2, 5). Using this convention, find:

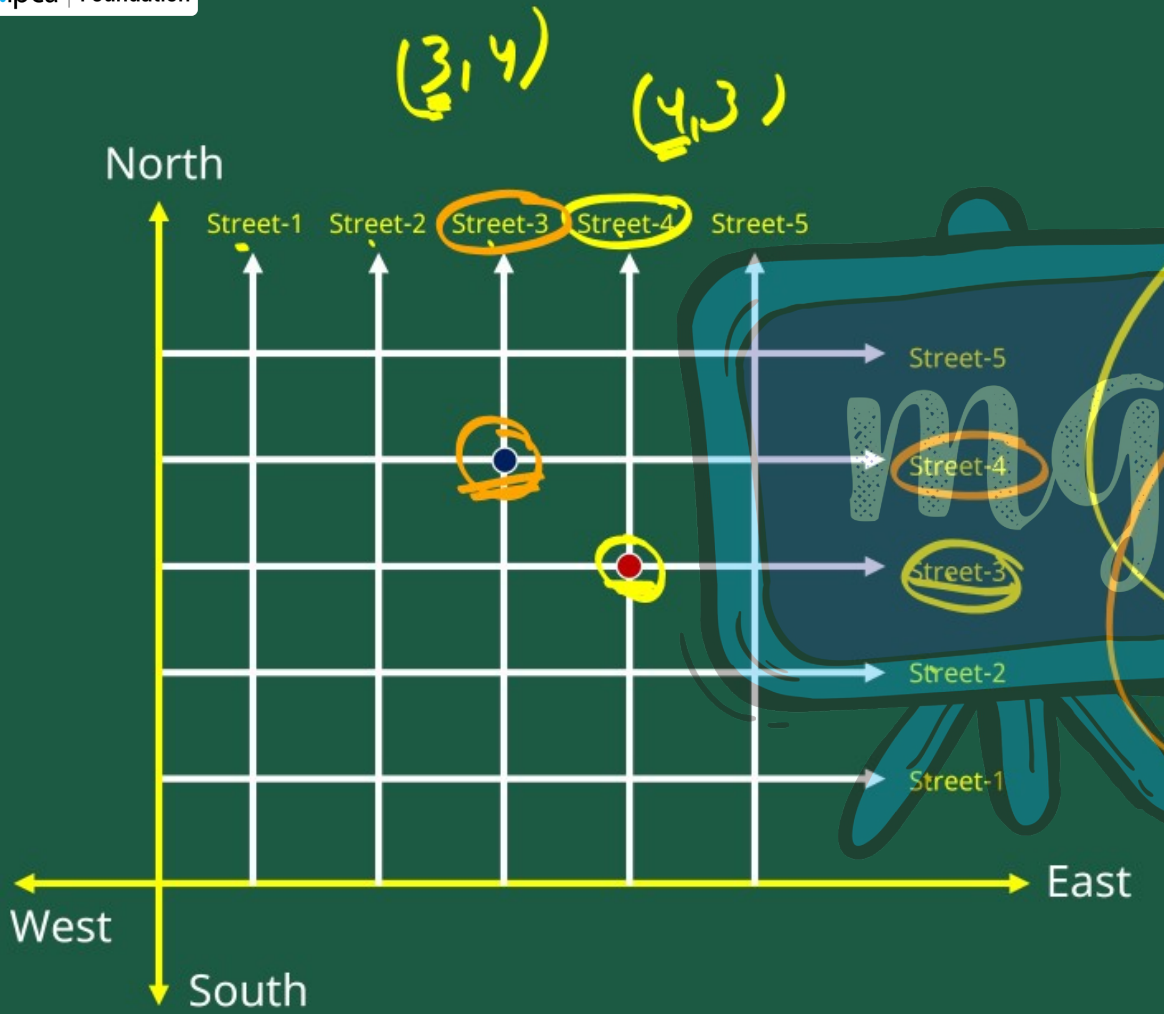
Under CSR Support by ipca | Foundation

missiongyan LET'S LEARN TOGETHER



Under CSR Support by ipca | Foundation

missiongyan LET'S LEARN TOGETHER



(i) how many cross - streets can be referred to as (4, 3).

(ii) how many cross - streets can be referred to as (3, 4).

only one crossing

only one

Under CSR Support by ipca | Foundation

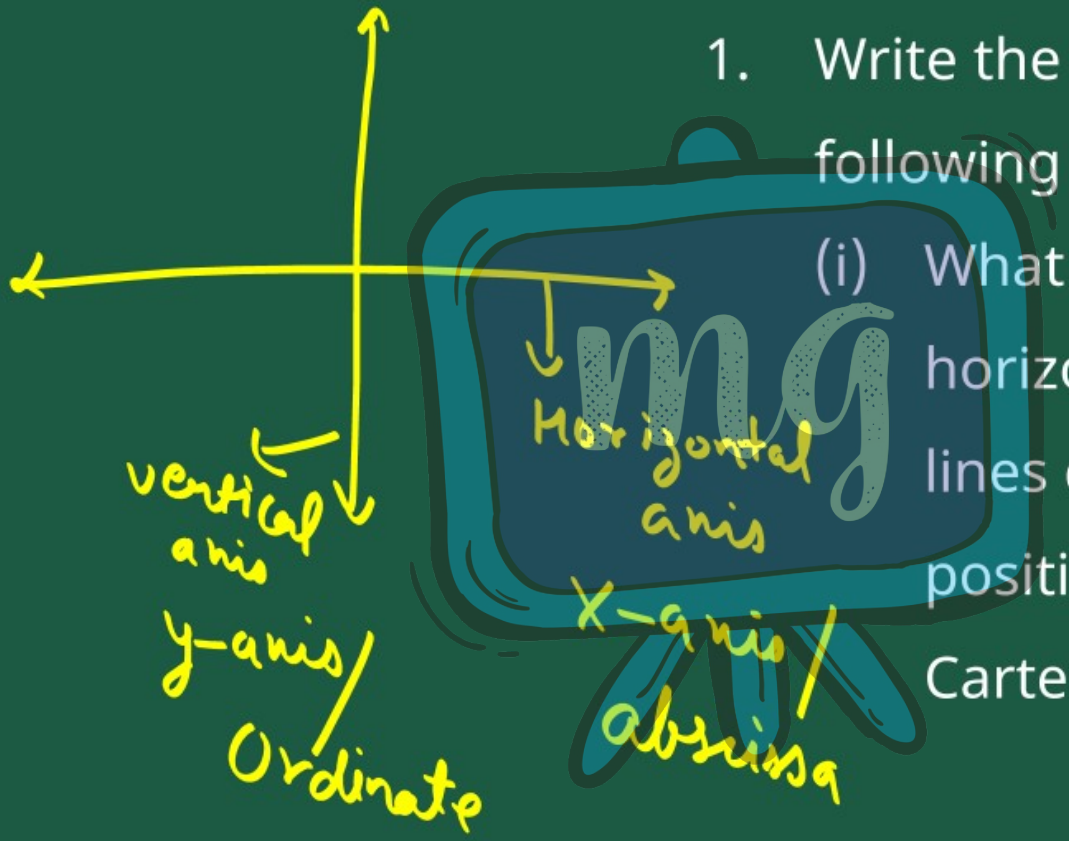
missiongyan LET'S LEARN TOGETHER



Exercise 3.2

Under CSR Support by ipca | Foundation

missiongyan LET'S LEARN TOGETHER

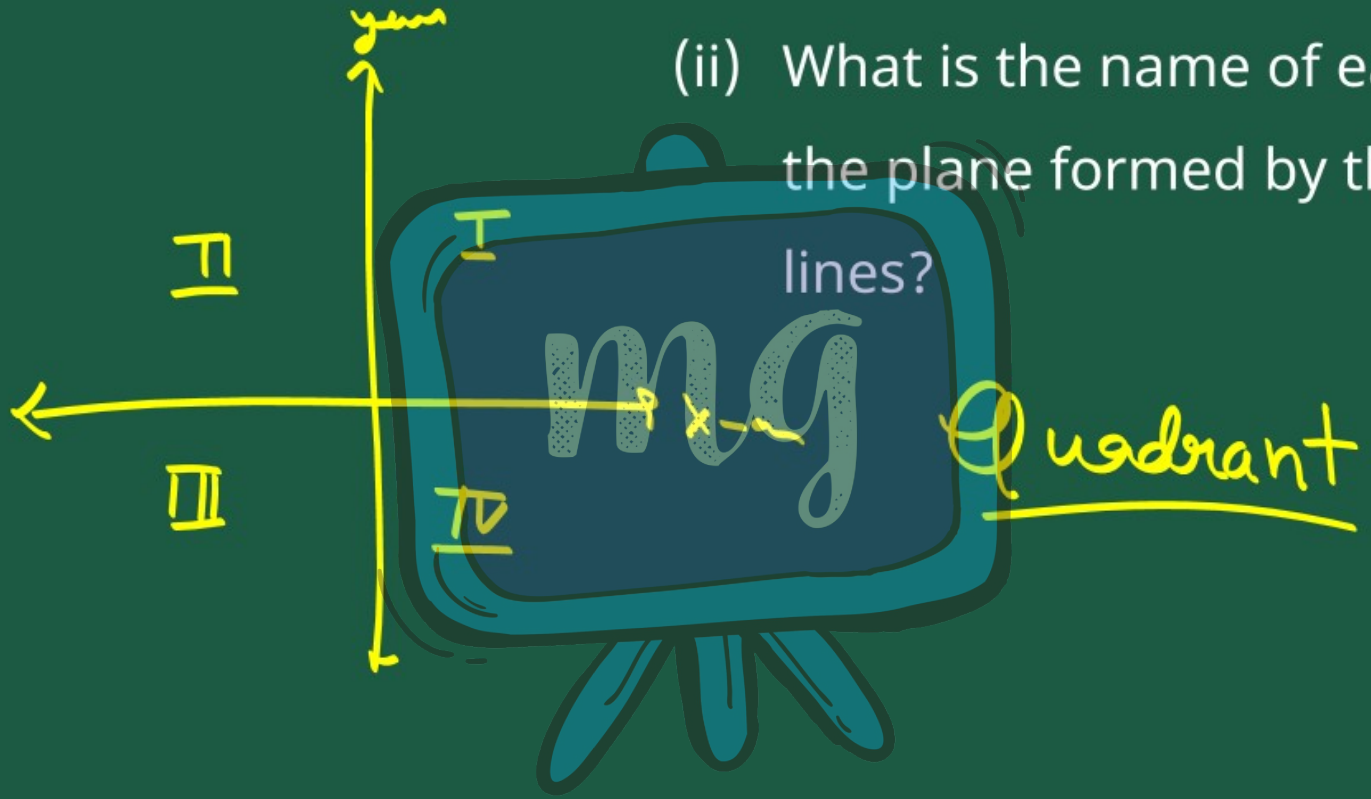


1. Write the answer of each of the following questions:

   (i) What is the name of horizontal and the vertical lines drawn to determine the position of any point in the Cartesian plane?

Under CSR Support by ipca | Foundation

missiongyan LET'S LEARN TOGETHER



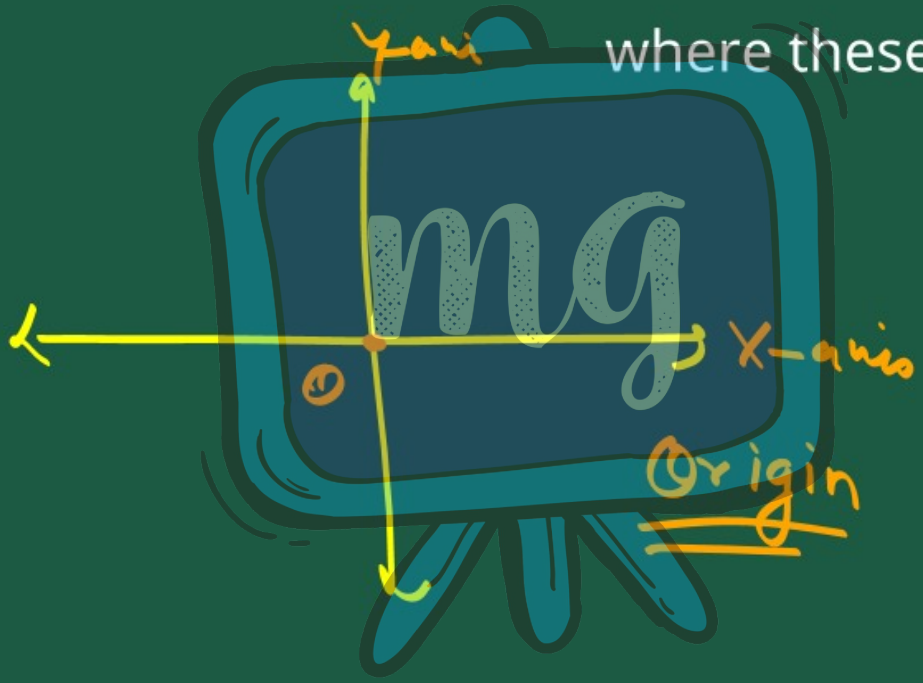
(ii) What is the name of each part of the plane formed by these two lines?

Quadrant

Under CSR Support by ipca | Foundation

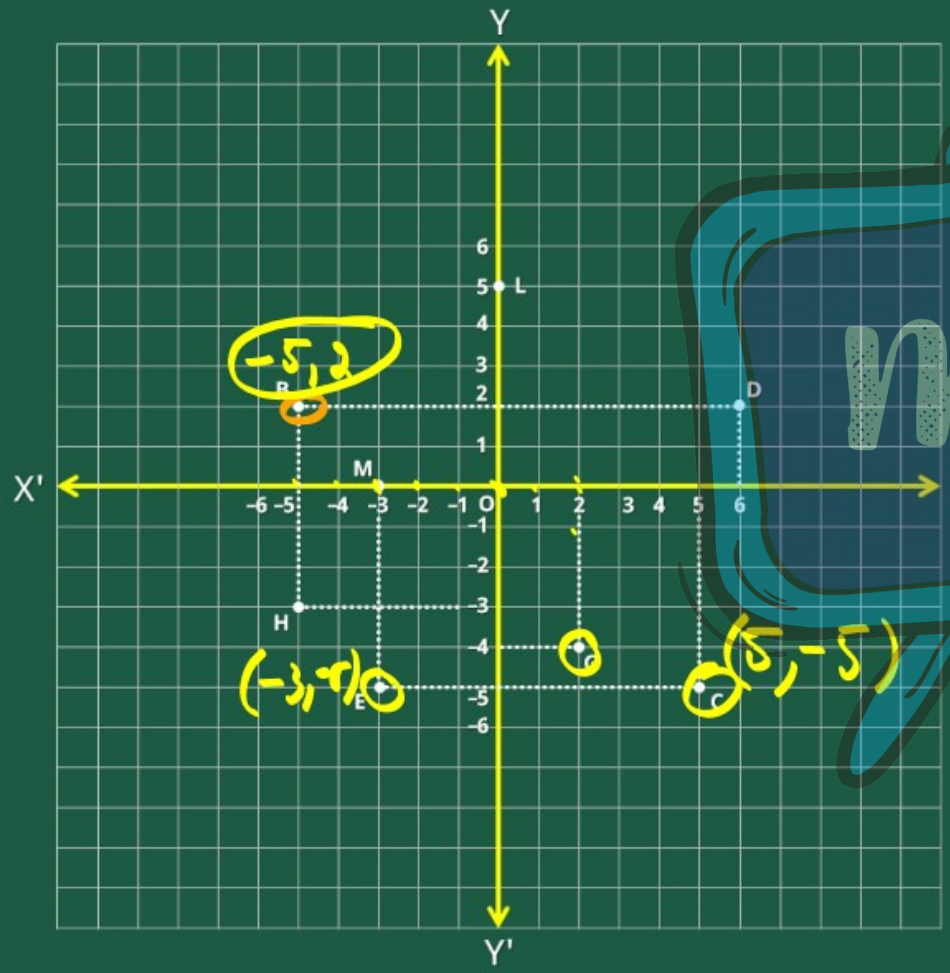
missiongyan LET'S LEARN TOGETHER

(iii) Write the name of the point where these two lines intersect.



Under CSR Support by ipca | Foundation

missiongyan LET'S LEARN TOGETHER



2. See figure and write the following:

(i) The coordinates of B. (-5, 2)

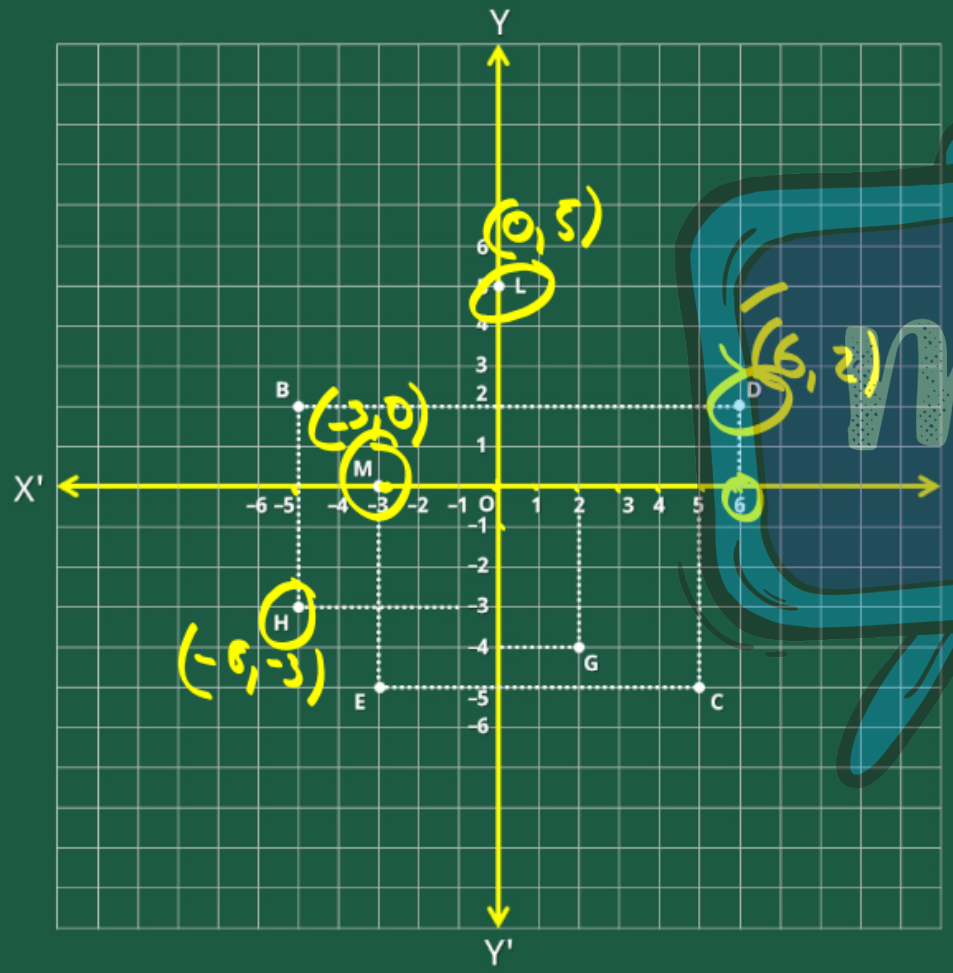
(ii) The coordinates of C. (5, -5)

(iii) The point identified by the coordinates (–3, –5). E

(iv) The point identified by the coordinates (2, -4). (G)

Under CSR Support by ipca | Foundation

missiongyan LET'S LEARN TOGETHER



(v) The abscissa of the point D. 6

(vi) The ordinate of the point H. -3

(vii) The coordinates of the point L. (0, 5)

(viii) The coordinates of the point M. (-3, 0)