



MATHS

BOOKS - JEEVITH PUBLICATIONS MATHS (KANNADA ENGLISH)

CO-ORDINATE GEOMETRY

Exercise 9 1

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



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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 200m apart. There are 5 streets in each direction. Using $1\text{cm} = 200\text{m}$, draw a model of the city on your note book. Represent the roads/streets by single lines.

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 2^{nd} street running in the North-South direction 5^{th} in the East-West direction meet at some crossing, then we will call this cross-street $(2,5)$. Using this convention, find:

How many cross-streets can be referred to as $(4,3)$



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then we will call this cross-street (2,5). Using this convention, find:

How many cross-streets can be referred to as (3,4)



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Exercise 9 2

1. Write the answer of each the question:

What is the name of horizontal line and vertical lines drawn to determine the position of any point in the cartesian plane ?



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2. Write the answer of each the question:

What is the name fo each part of the plane formed by these two lines ?



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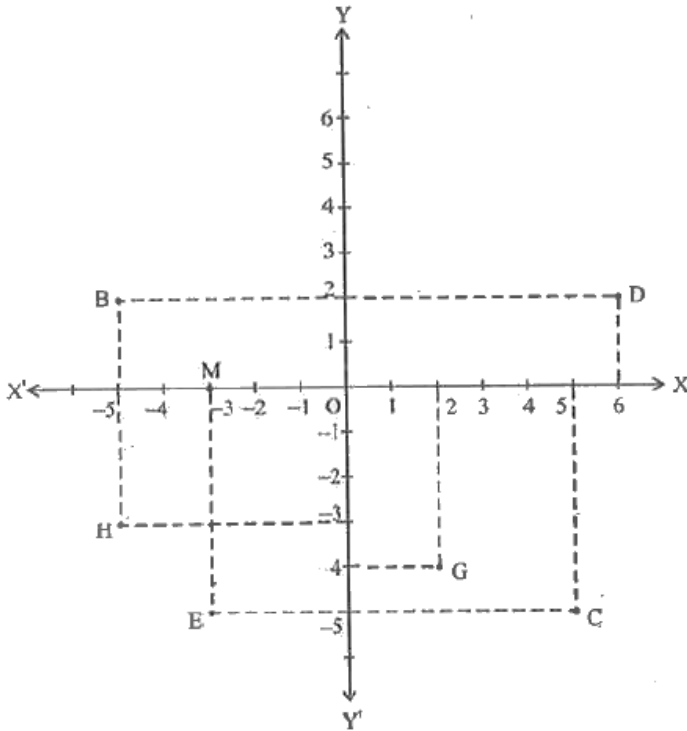
3. Write the answer of each the question:

Write the name of the point where these two lines intersect.



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4. See fig and write the

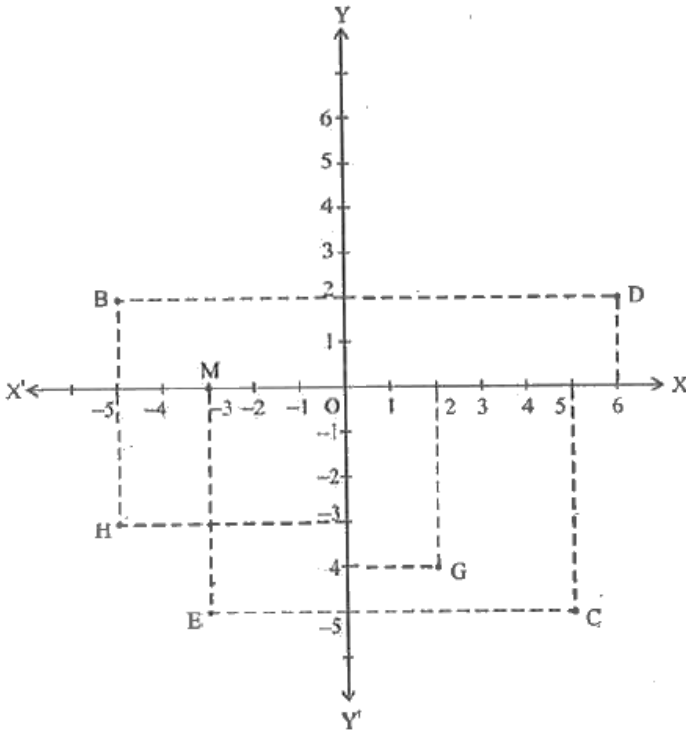


The co-ordinates of B



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5. See Fig and write the

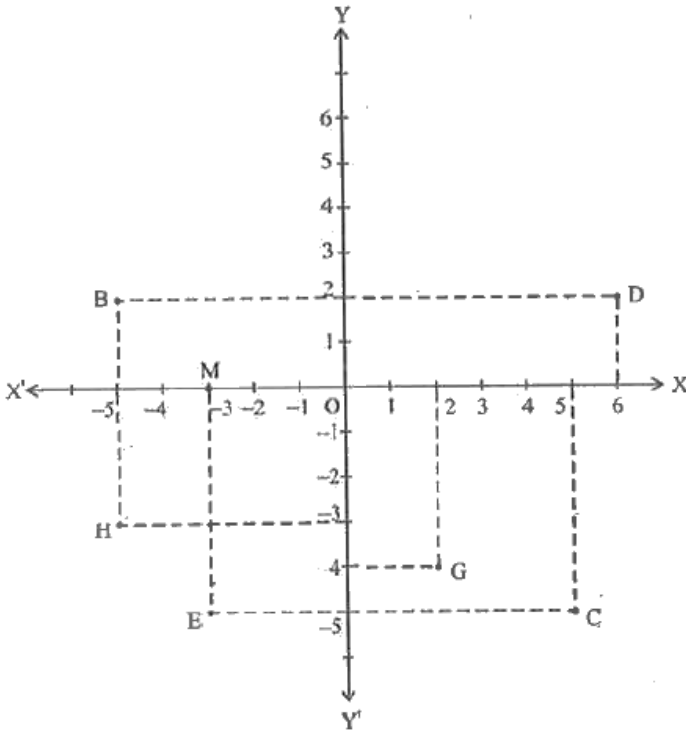


The co-ordinates of C



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6. See Fig. and write the

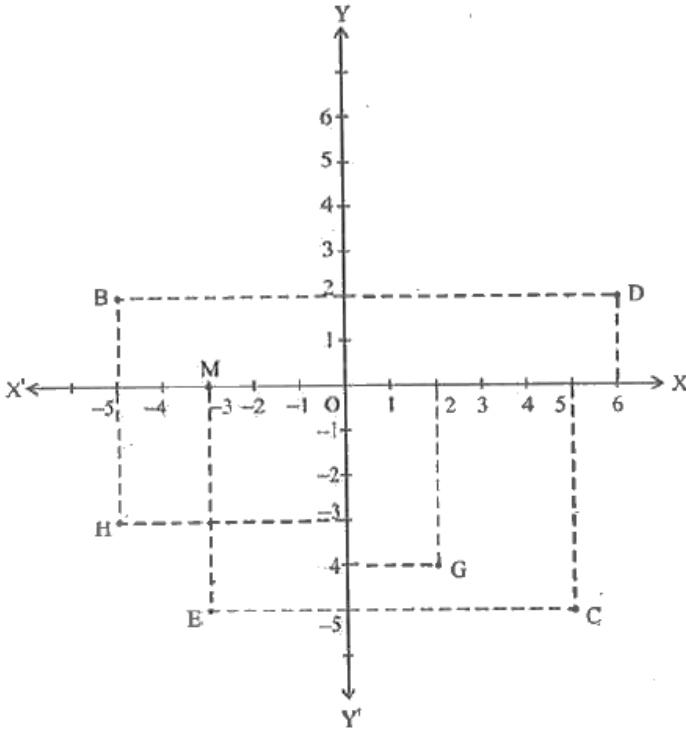


The point identified by the co-ordinates
(- 3, - 5)



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7. See Fig.4 and write the

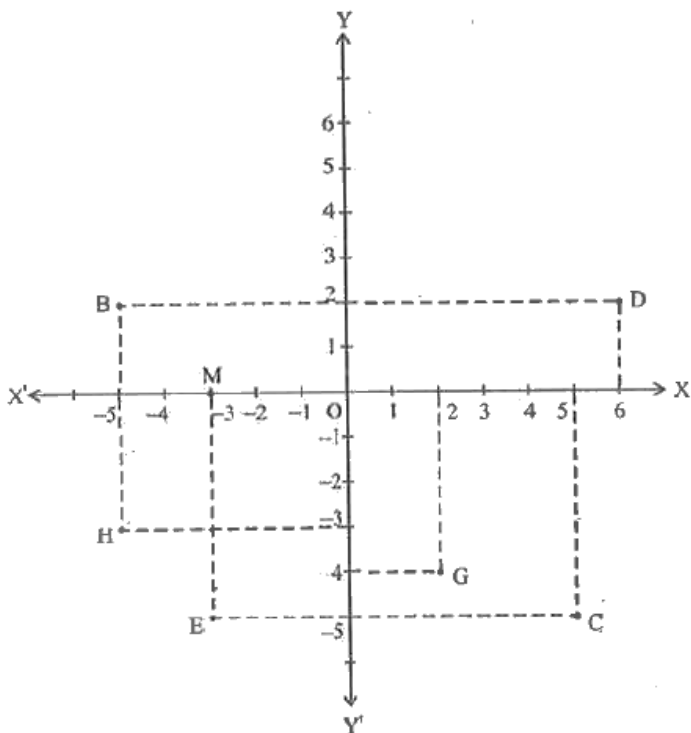


The point identified by the co-ordinates $(2, -4)$



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8. See Fig. and write the

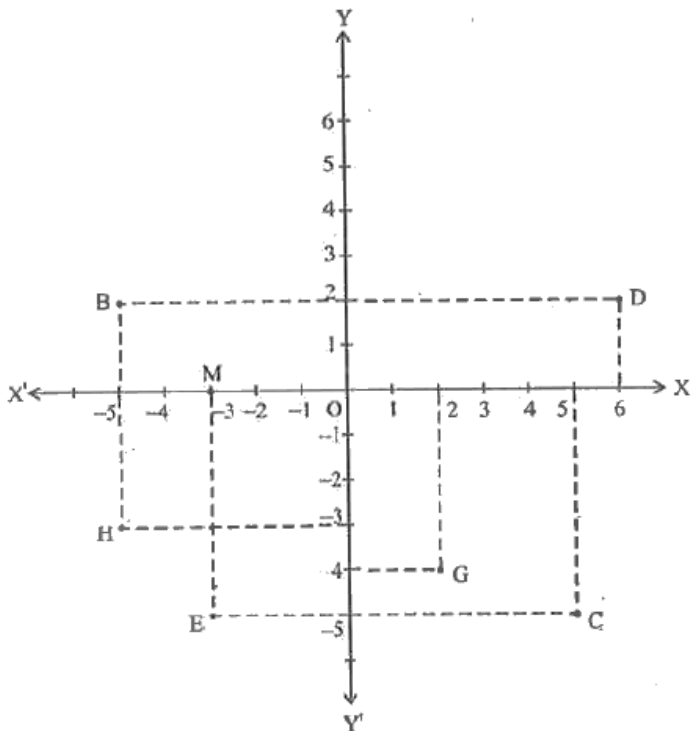


The abscissa of the point D.



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9. See Fig. and write the

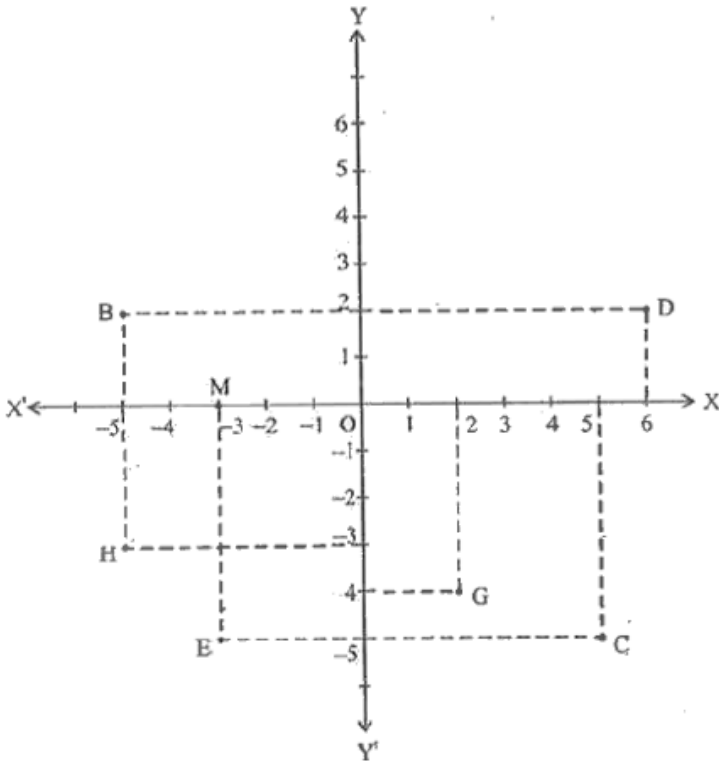


The ordinate of the point H.



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10. See Fig. and write the

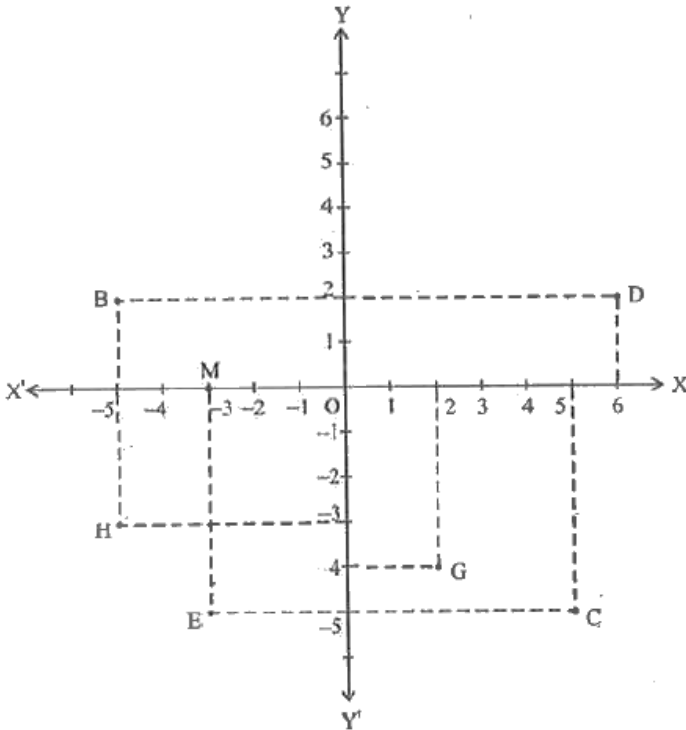


The co-ordinates of the point L.



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11. See Fig. and write the



The co-ordinates of the point M.



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Exercise 9 3

1. In which quadrant or on which axis do each of the _____ points

$(-2, 4)$, $(3, -1)$, $(-1, 0)$, $(1, 2)$ and $(-3, -5)$

lie ? Verify your answer by locating them on the cartesian plane.



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