## **Coordinate Geometry: Exercise 3.1**

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

Consider the table as a plane and the lamp is placed at a point P and take any two perpendicular edges of the table, say OX and OY. Now, measure the distance of the lamp at point P from the longer edge OX, let it be 30 cm. and measure the distance of the lamp at point P from the shorter edge OY, let it be 20 cm.



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



Street plan is as shown above in the figure : (i) Only one cross street can be referred as (4, 3).

(ii) Only one cross street can be referred as (3, 4).