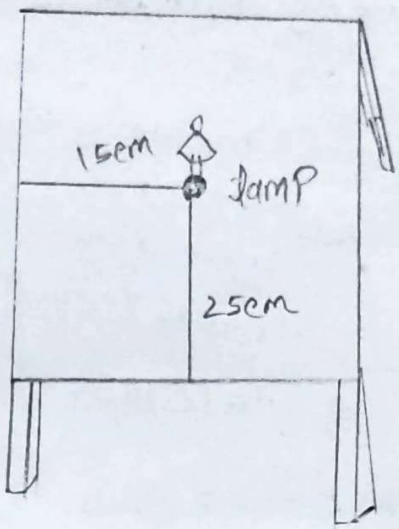
EX-3.1

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



Position of lamp = (15,25) or (25,30)

(2.) A city has two main roads which cross other at the centre of the city. These two roads are along the north-south direction and East-direction.

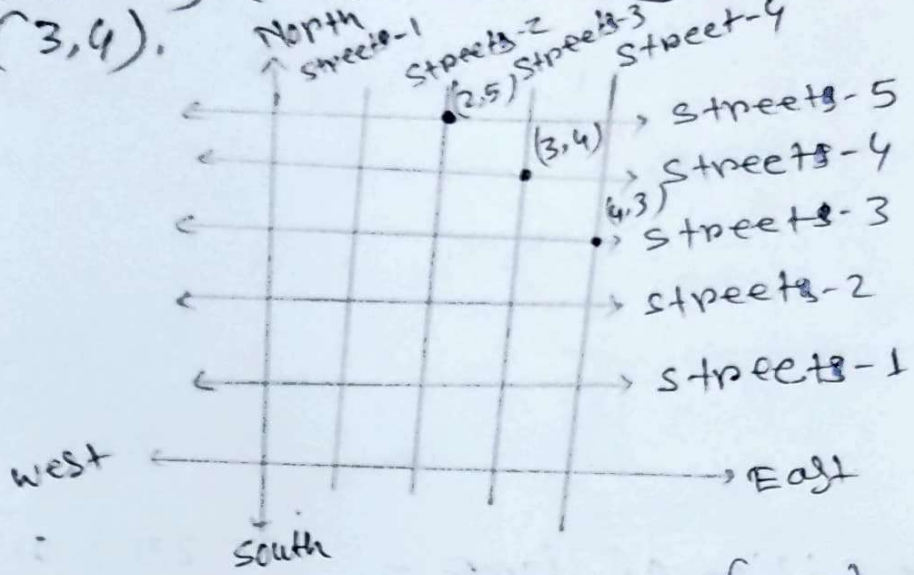
All the other streets of the city run parallel to these roads and are 200m apart. There are 5 streets in each direction. Using 1cm = 200m, draw, a model of the city on your notebook. Represent the roads/ streets by single lines

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 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

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

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



cross street (2,5), (3,4) & (4,3) are marked one cross street is referred to (3,4) & one cross street is refered to (4,3), Hence they are uniquely found