

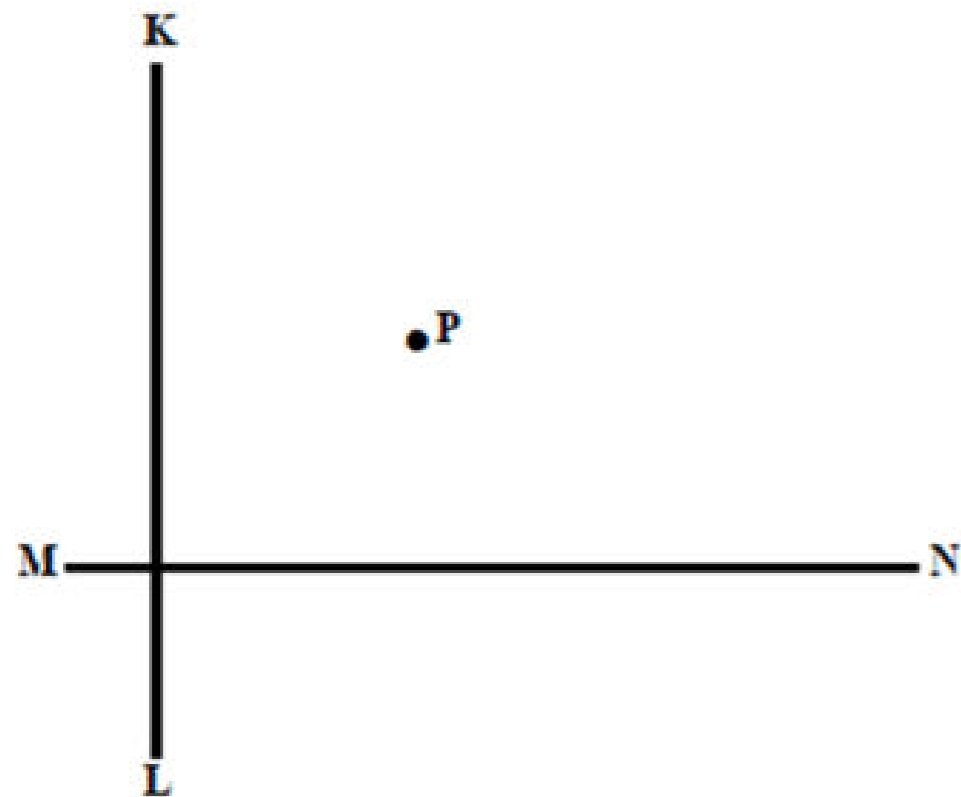
(Attempt the questions at the back of your exercise book)

(a) In Figure 2 below, lines **KL** and **MN** are asymptotes of a curve. **P** is a point on the curve.

Required: (i) Construct the curve (6 marks)

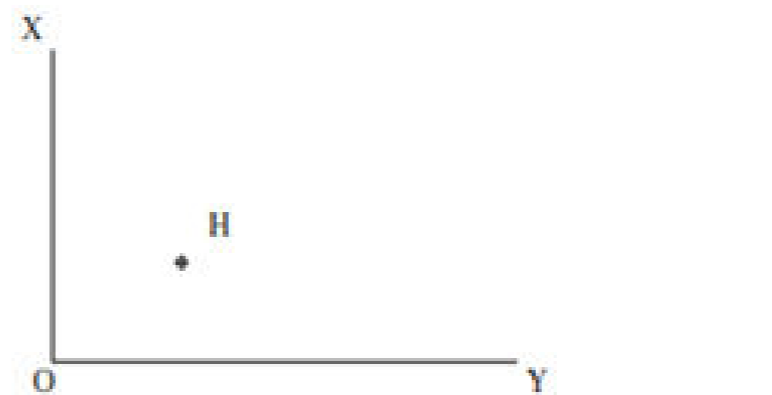
(ii) Name the curve. (1 mark)

Name of the curve: _____



Given: The asymptotes, OX and OY and a point H on the hyperbolic curve.

Required: Construct the hyperbola.



Given: the directrix and vertex on the axis of a conic section with a ratio of 1:1

Required: (i) Find the focal point. (1 mark)

(ii) Draw the conic section. (2 marks)

(iii) Name the conic section. _____ (1 mark)



Construct a Plain Reduction Scale of 1:50 to read Metres and Tenths of a Metre up to 7 metres.

CALCULATION

Construct a Plain Reduction Scale of 10mm:0.25m which should be able to measure Metres and tenths of a Metre up to 4 Metres

CALCULATION
