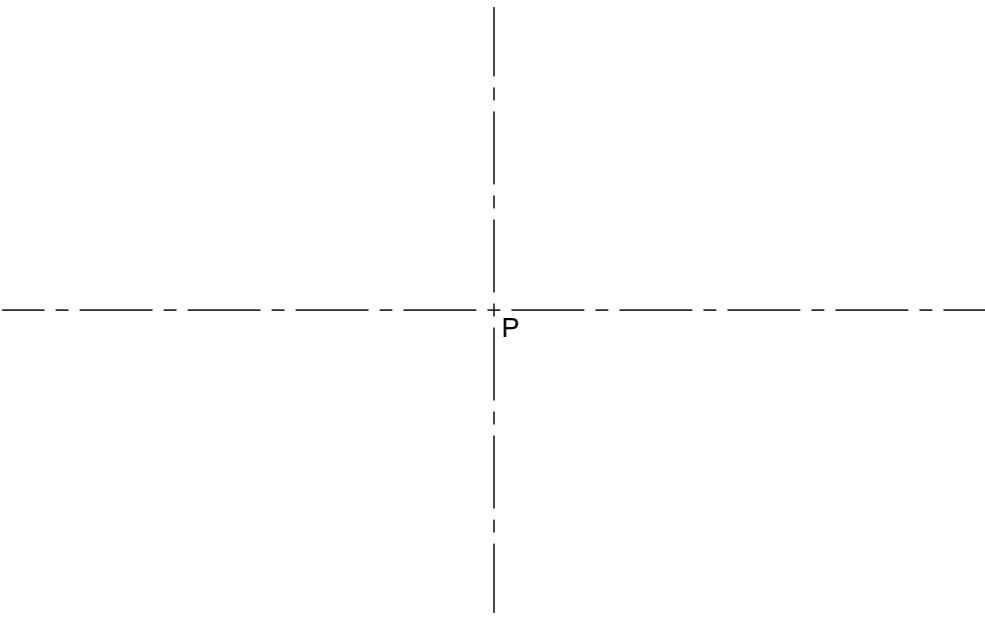
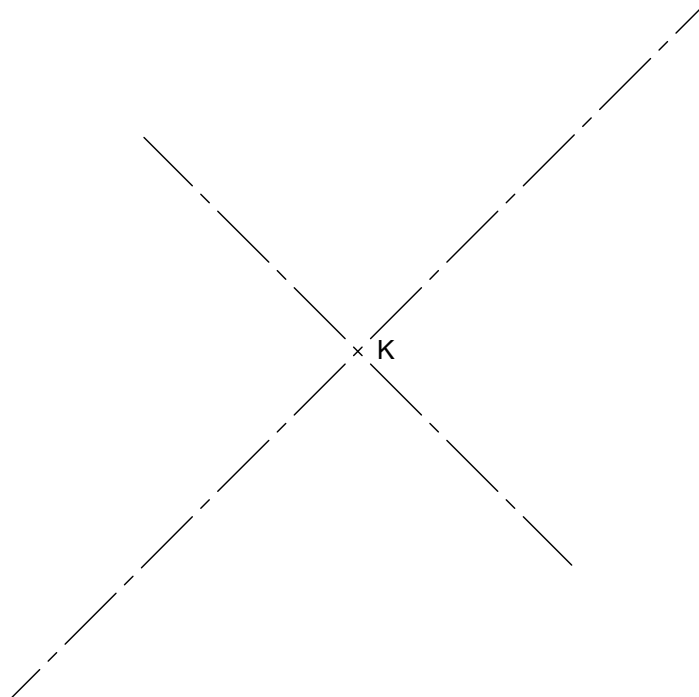


1 Use point P as the centre point and by means of the four centred method, draw an ellipse with the major axis AB 100 mm and the minor axis CD 60 mm. Show all construction lines.



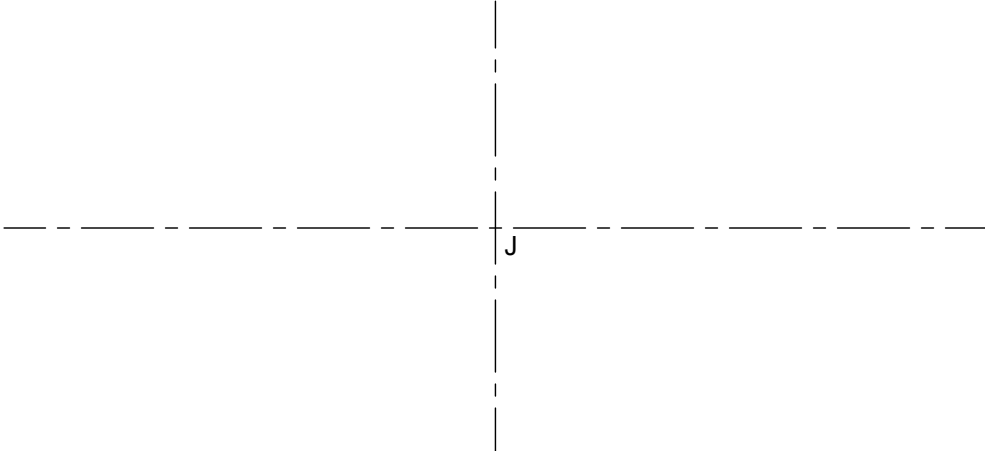
MARK ACHIEVED	
MAXIMUM	13

2 Use point K as the centre point and by means of the four centred method, draw an ellipse with the major axis PQ 110 mm and the minor axis RS 60 mm. Show all construction lines.



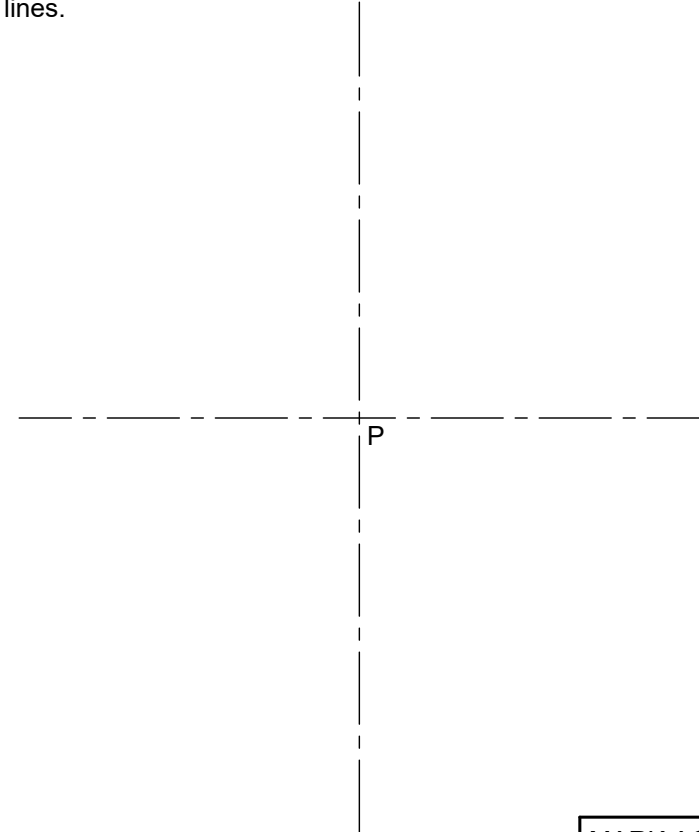
MARK ACHIEVED	
MAXIMUM	13

3 Use point J as the centre point and by means of the concentric circle method, draw an ellipse with a major axis KL, as 104 mm and the minor axis MN, 40 mm. Show all construction lines.



MARK ACHIEVED	
MAXIMUM	13

4 Use point P as the centre point and by means of the concentric circle method, draw an ellipse with a major axis ST, as 100 mm and the minor axis QR, 44 mm. Show all construction lines.



MARK ACHIEVED	
MAXIMUM	13

QUESTION: GEOMETRICAL CONSTRUCTIONS

Given:
Several assignments with questions regarding the construction of an ellipse

Instructions:
Answer each question in the area provided showing all construction lines.

Note:
Marks will be subtracted for the following:

- untidy and wrong line quality
- mistakes on measuring with a tolerance larger than 1 mm. [52]

ASSESSMENT CRITERIA			
1	Four centred method	13	
2	Four centred method	13	
3	Concentric circle method	13	
4	Concentric circle method	13	
TOTAL		52	

