

QUESTION 2: INTERPENETRATION AND DEVELOPMENT

Given:

- The top view and incomplete front view of a regular triangular pipe penetrating a square pipe.
- Starting point **X**, the centre of the main pipe (vertical pipe) in the top view.
- **AB** is the seam of the square pipe.

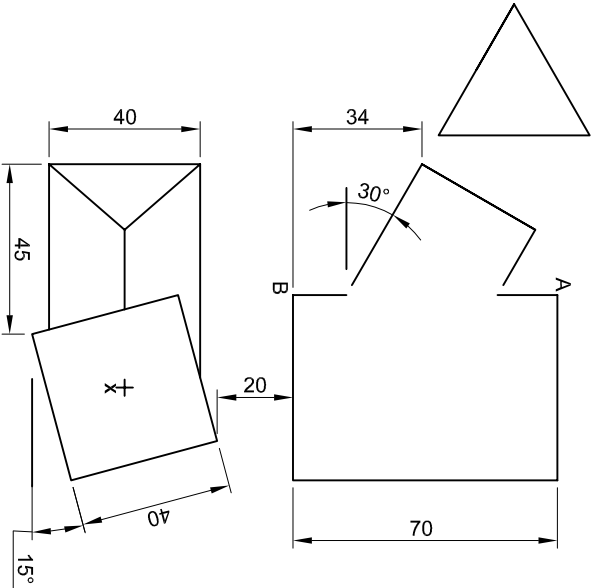
Instructions:

Draw to scale 1 : 1, the following views of the interpenetrating pipes:

- 2.1 The top view.
- 2.2 The complete front view clearly showing the curve of interpenetration.
- 2.3 The development of the surface of the square pipe with **AB** as the seam.

- Show ALL hidden detail and folding lines.
- Show ALL necessary construction lines.

[29]



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X

ASSESSMENT CRITERIA				
1	TOP VIEW	6		
2	FRONT VIEW	9		
3	CONSTRUCTION	3		
4	DEVELOPMENT	11		
PENALTIES (-)				
TOTAL		29		

NAME	
NAME	3