



QUESTION 2: INTERPENETRATION AND DEVELOPMENT

Given:

The top view, incomplete front view and incomplete right view of two hollow intersecting regular hexagonal prisms in third angle orthographic projection.

Instructions:

- Complete the right view of the two prisms.
- Complete the front view, clearly showing the curve of interpenetration formed between the two prisms.
- Develop the sides of the branch pipe (horizontal prism) in the position shown on the answer sheet.

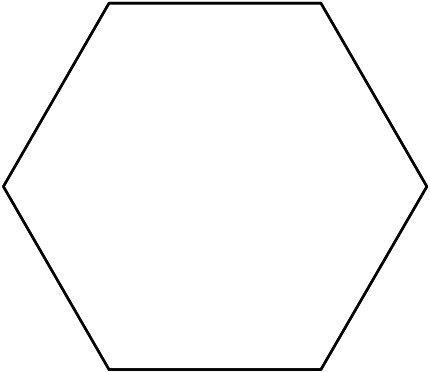
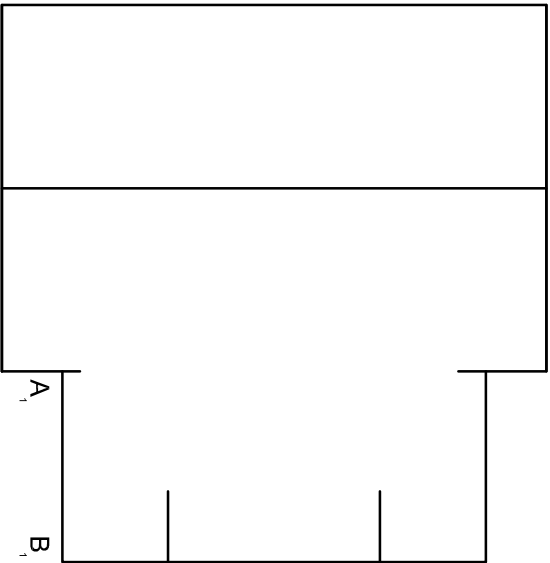
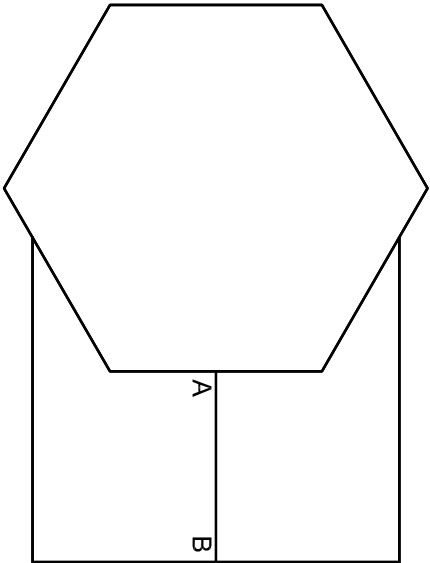
Note:

Start the development on seam AB.
The axis of both prisms lie in the same vertical plane.
Show all constructions and projections.

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START HERE

DEVELOPMENT



ASSESSMENT CRITERIA			
Completed right view (a)	10 x $\frac{1}{2}$	5	
Constructions (b)	9 x $\frac{1}{2}$	6	
Development (c)	14 x $\frac{1}{2}$	7	
TOTAL		18	

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