

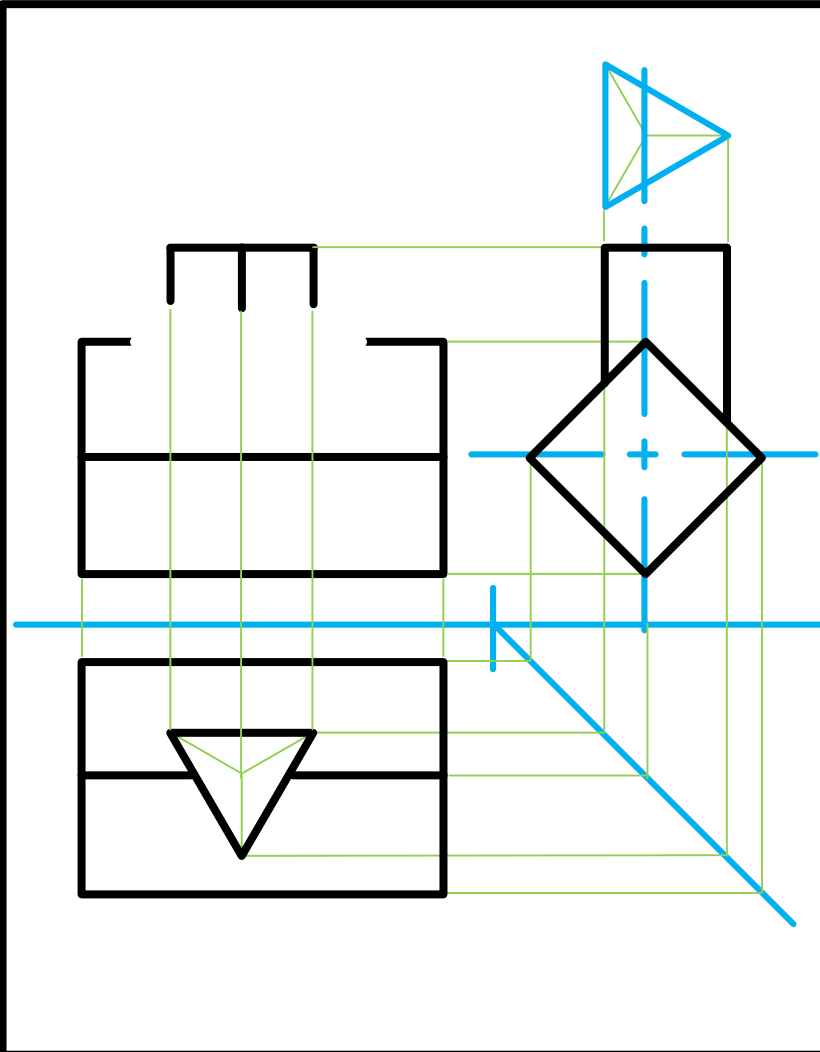


Interpenetrations

EGD Grade 11 & 12

Developed by: PC Viljoen
Senior Educational Specialist for
Engineering Graphics and Design
Free State Province

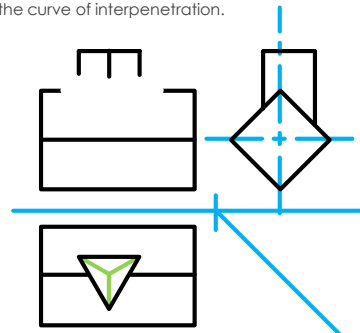
Interpenetrations



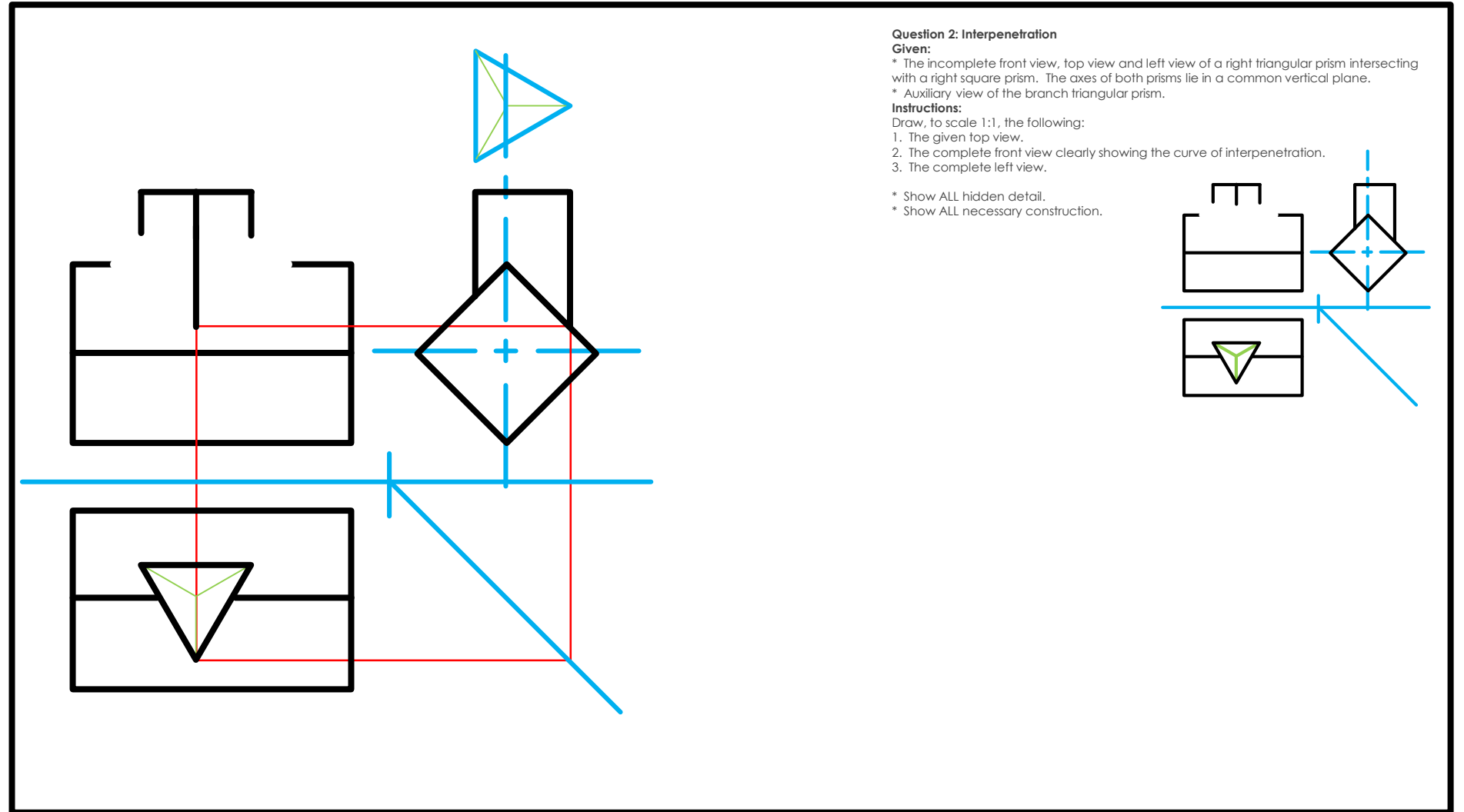
Question 2: Interpenetration
Given:
* The incomplete front view, top view and left view of a right triangular prism intersecting with a right square prism. The axes of both prisms lie in a common vertical plane.
* Auxiliary view of the branch triangular prism.

Instructions:
Draw, to scale 1:1, the following:
1. The given top view.
2. The complete front view clearly showing the curve of interpenetration.
3. The complete left view.

* Show ALL hidden detail.
* Show ALL necessary construction.



Interpenetrations



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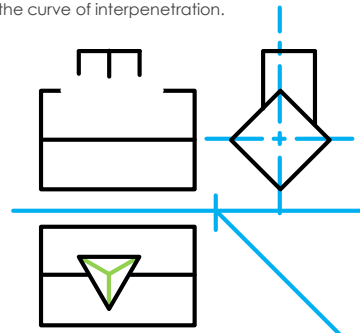
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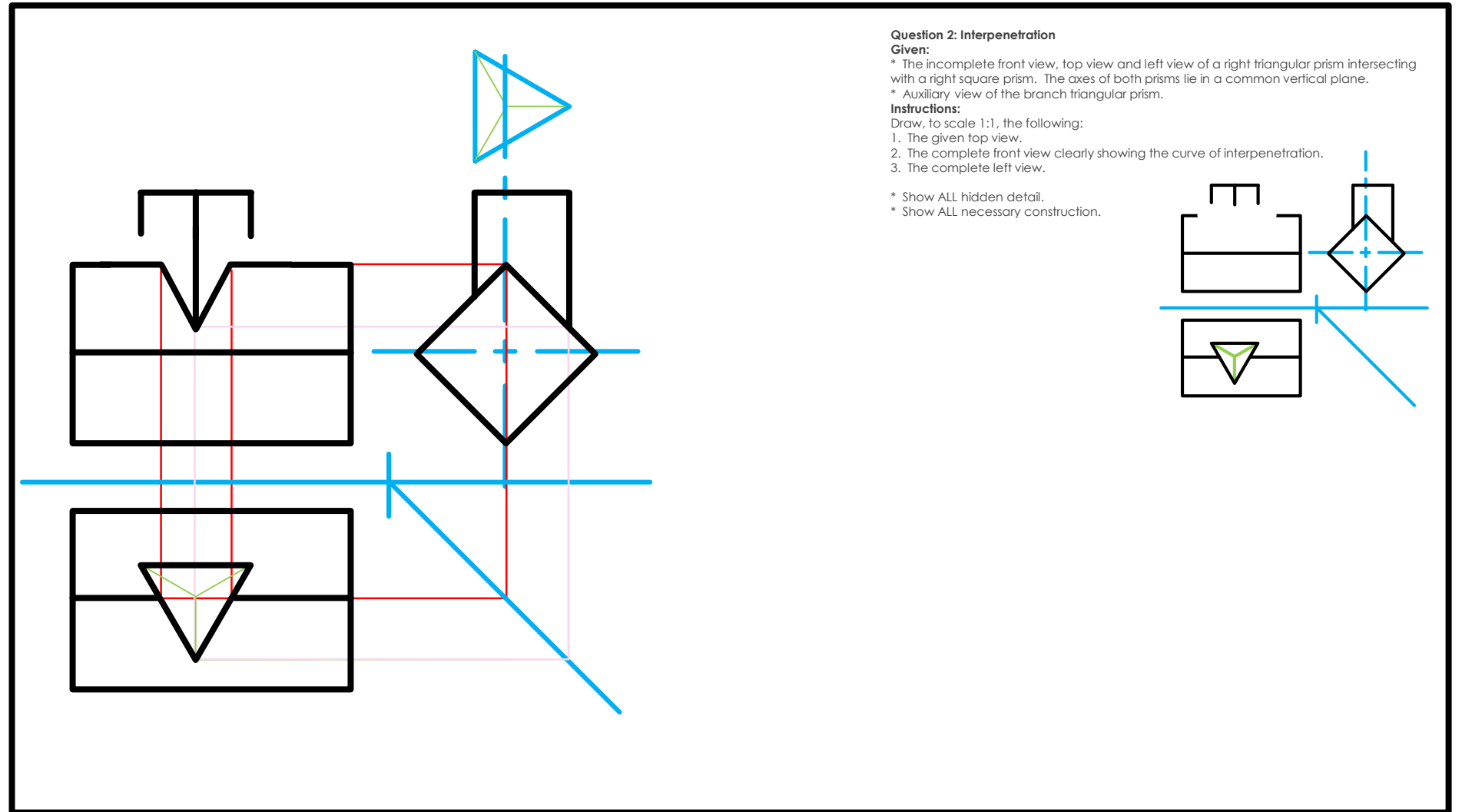
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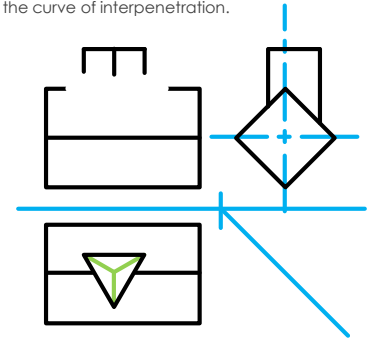
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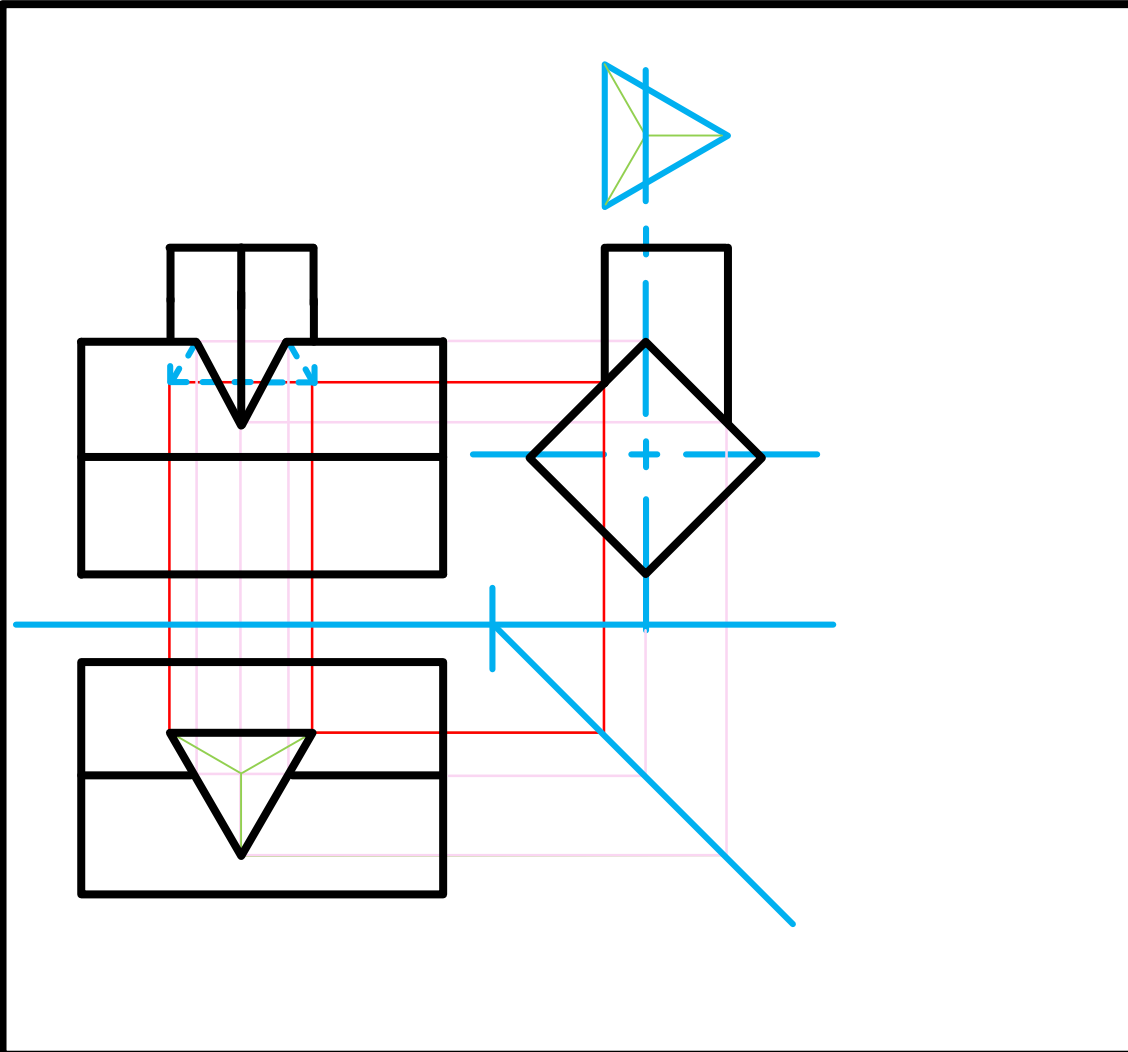
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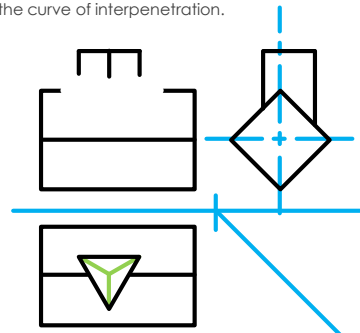
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True length

1
2
3
4

A A.1 B C A

1 2 2.1 3 3.1 4 1



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