

Interpenetrations

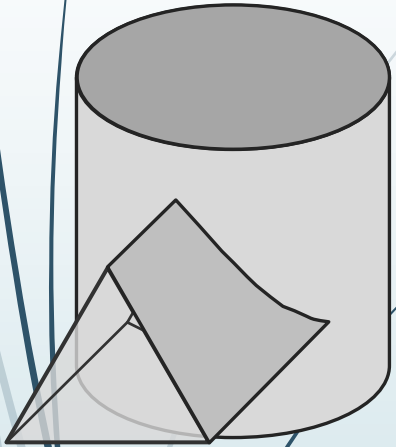
EGD Grade 11 & 12 (Revision)

Developed by: PC Viljoen

Senior Educational Specialist for
Engineering Graphics and Design

Free State Province

Interpenetrations



Question 2: Interpenetration

Given:

* The incomplete front view and top view of an equilateral triangular prism that has to fit around a cylinder. The axes of both solids lie in a common vertical plane

* An auxiliary view of the triangular prism

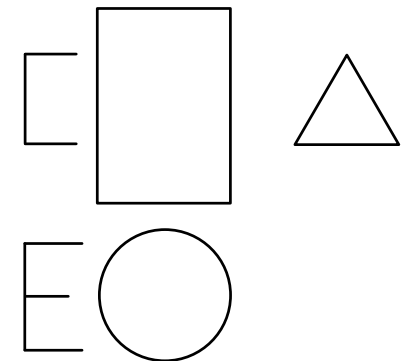
Instructions:

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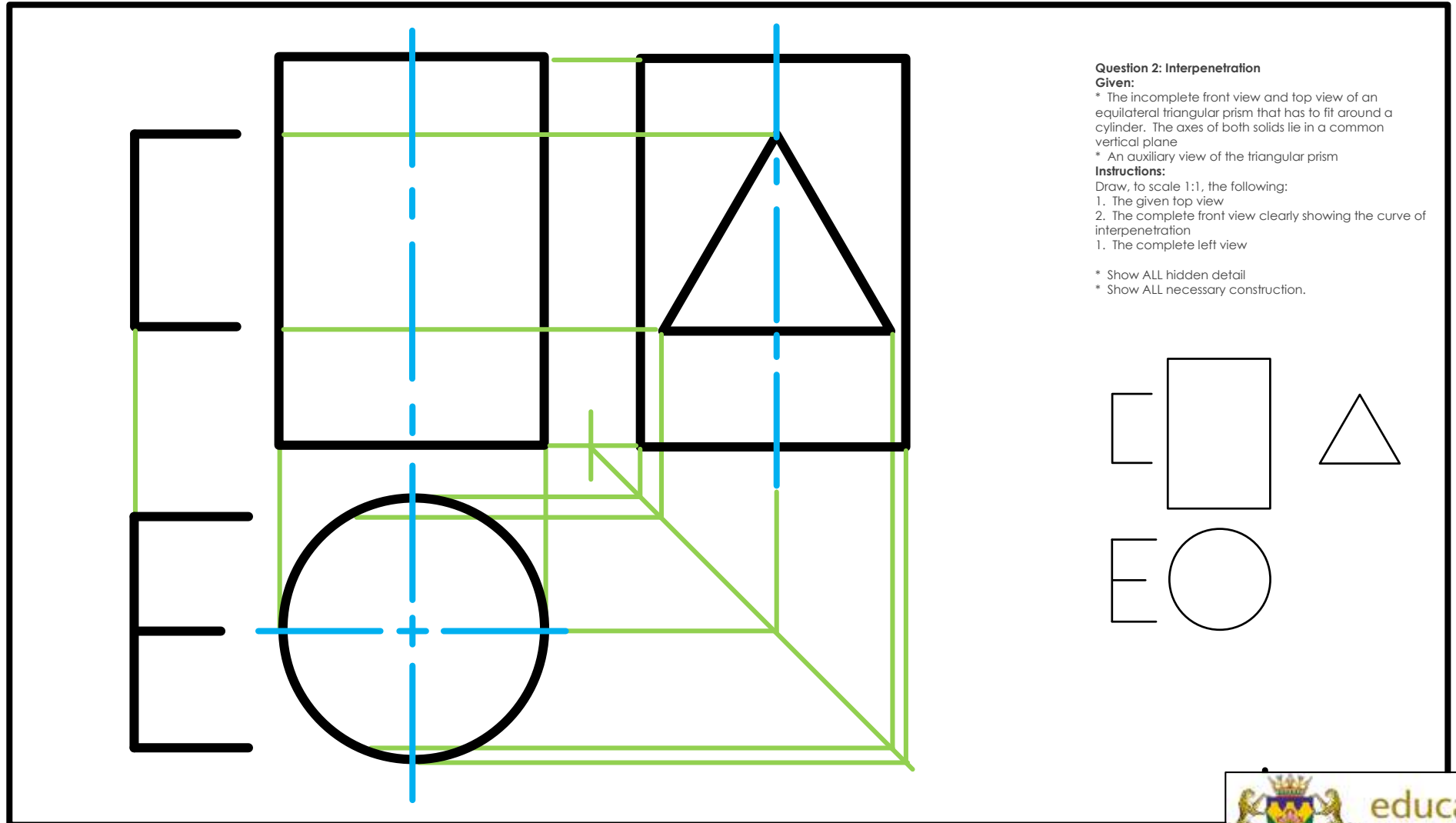
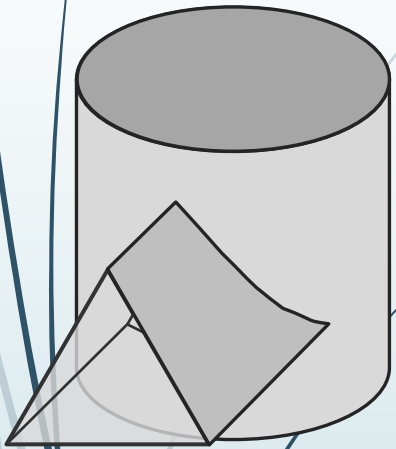
1. The given top view
2. The complete front view clearly showing the curve of interpenetration
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* Show ALL hidden detail

* Show ALL necessary construction.



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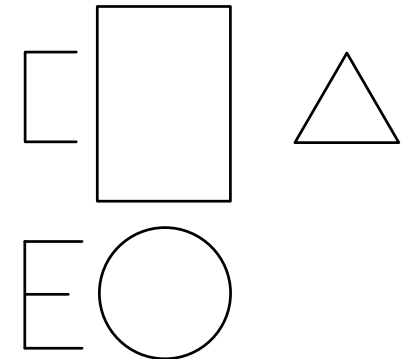
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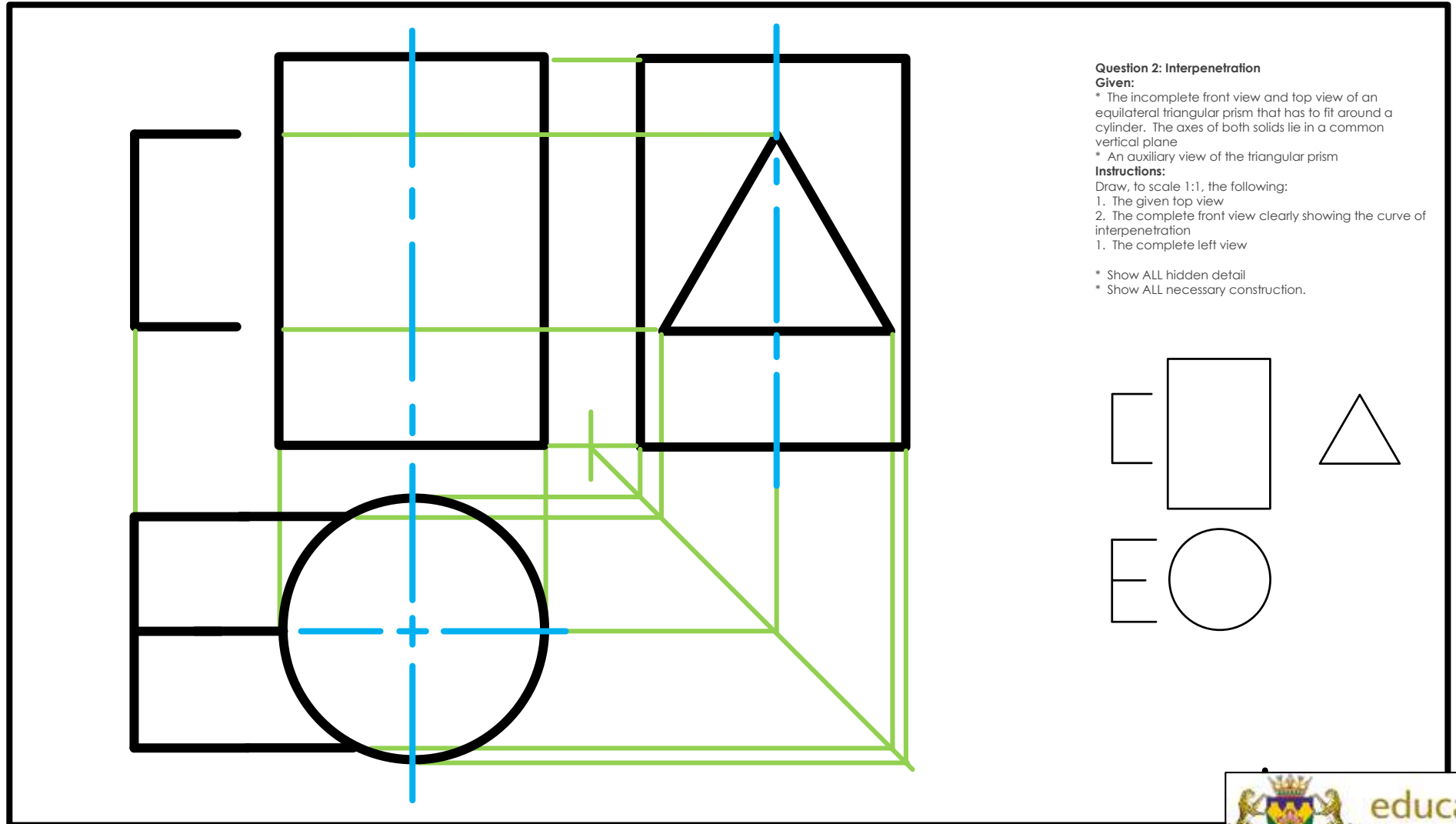
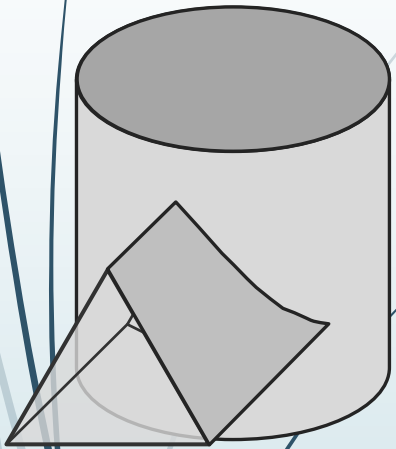
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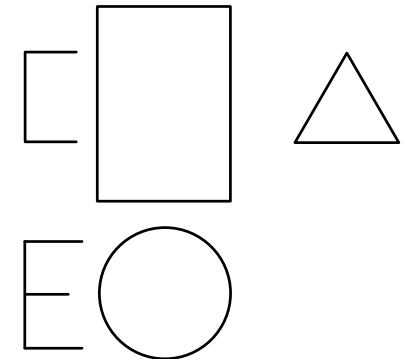
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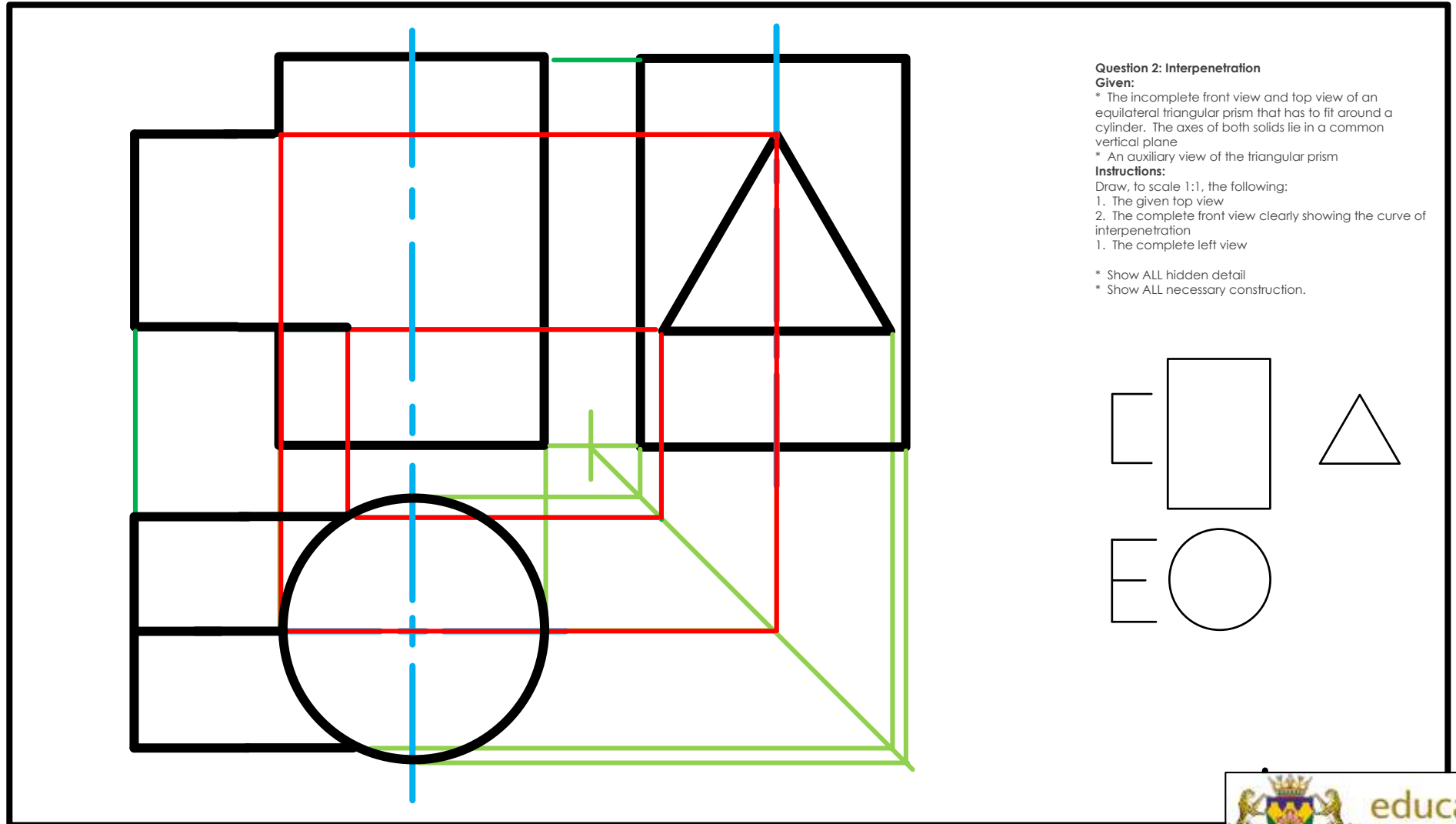
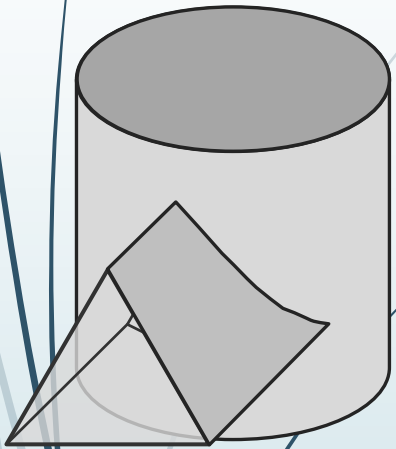
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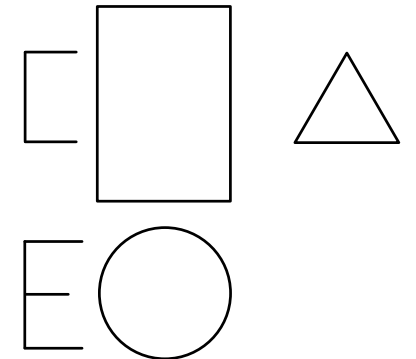
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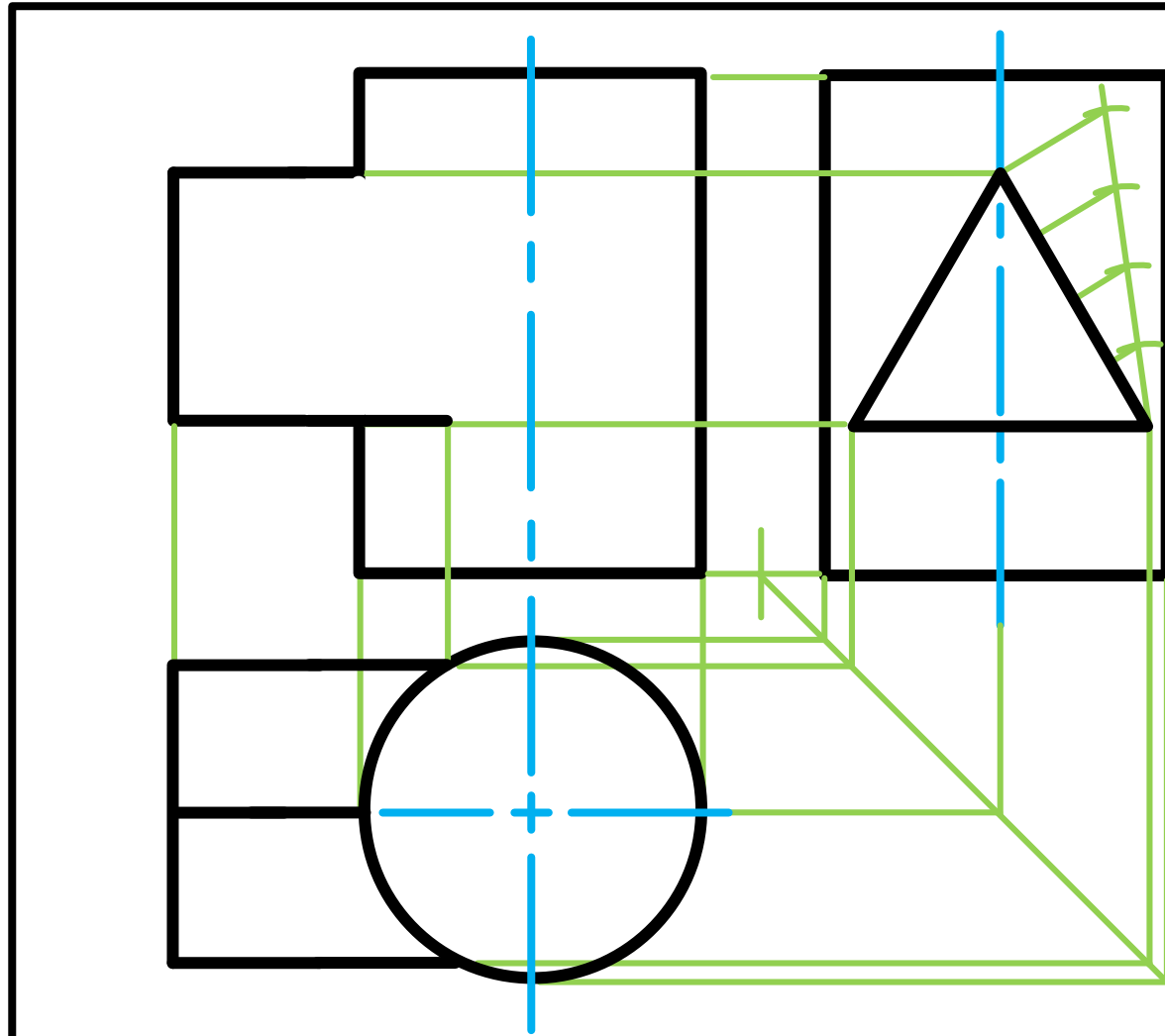
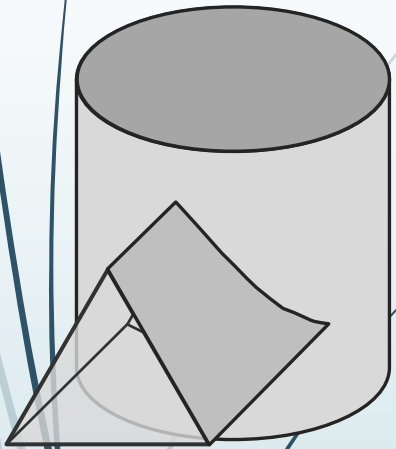
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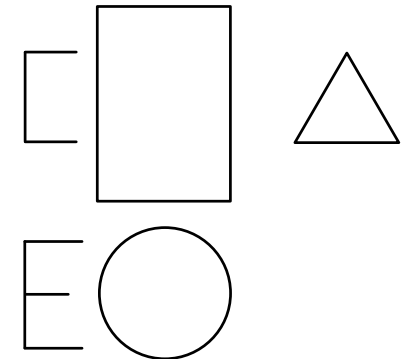
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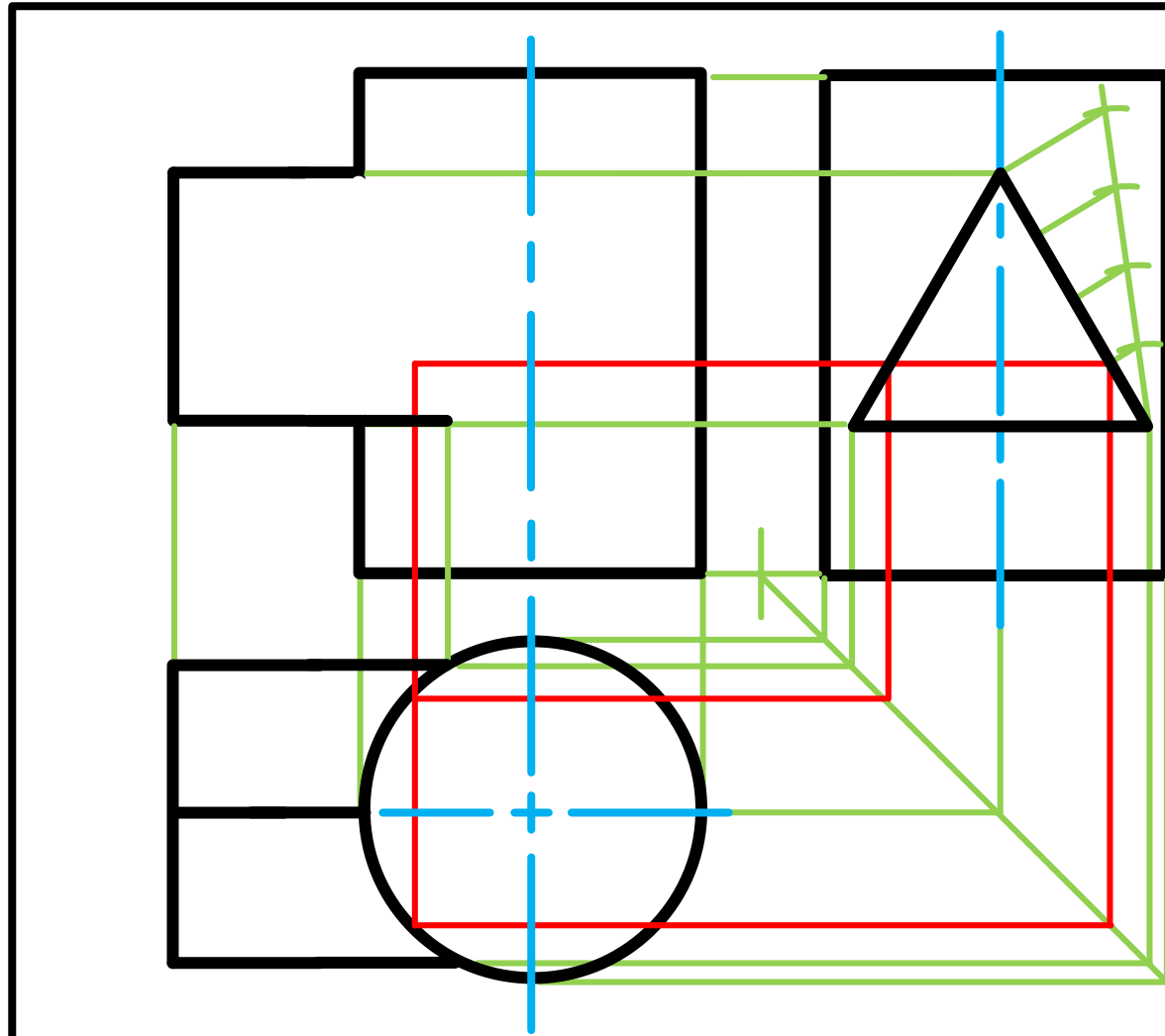
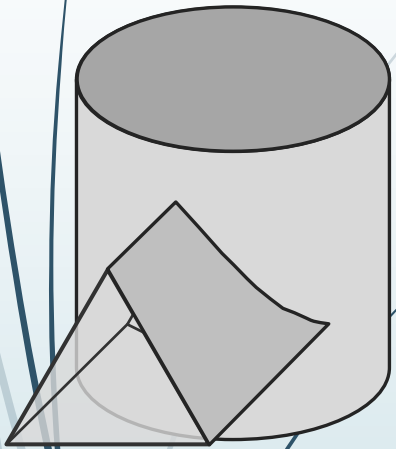
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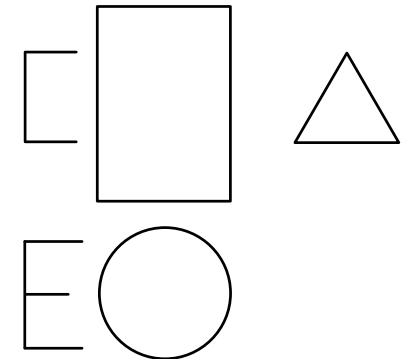
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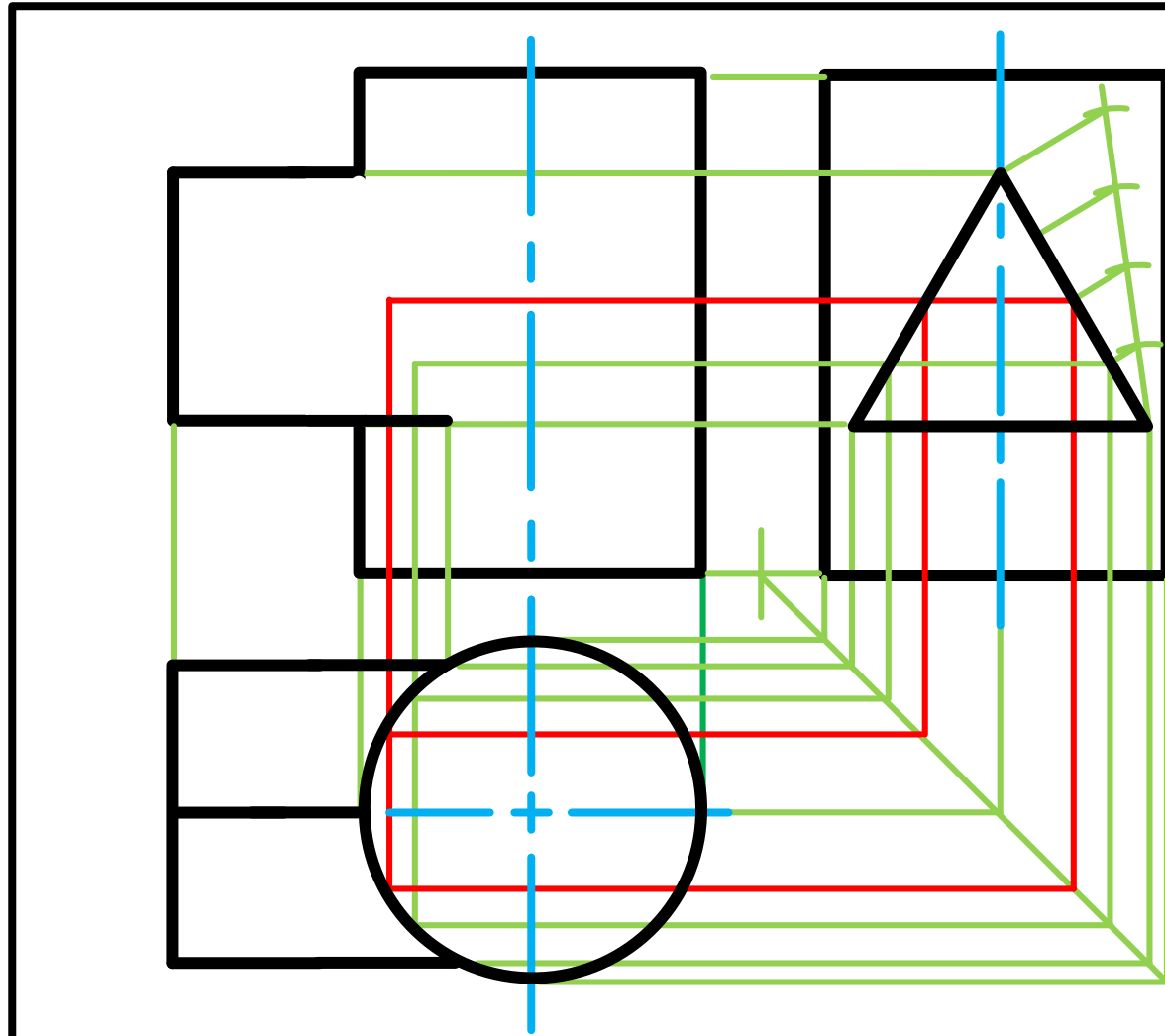
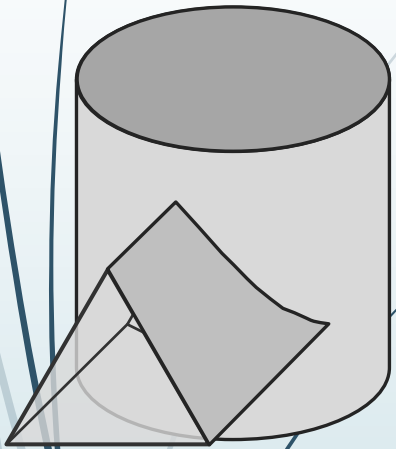
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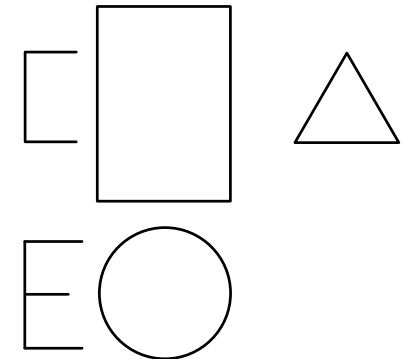
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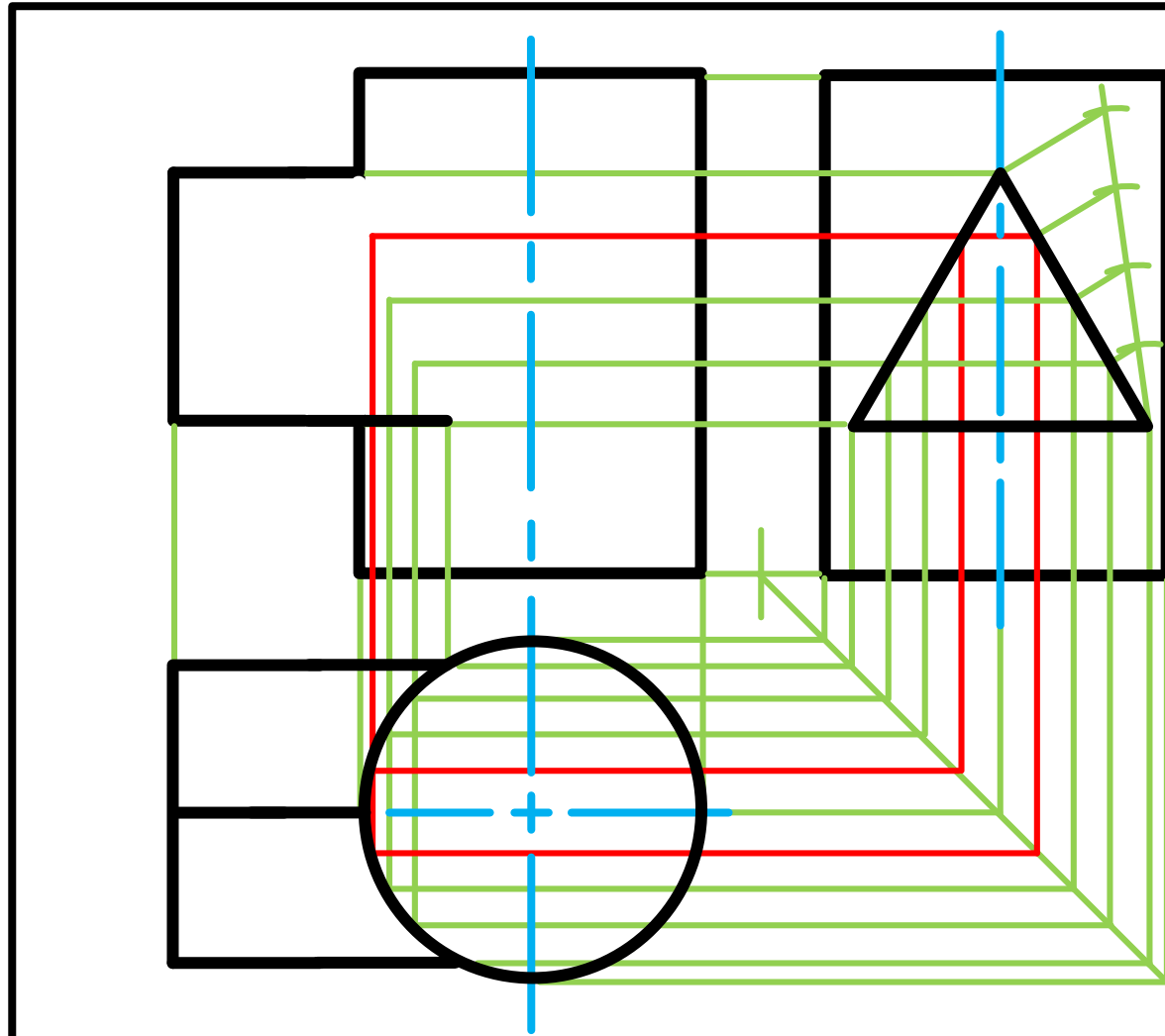
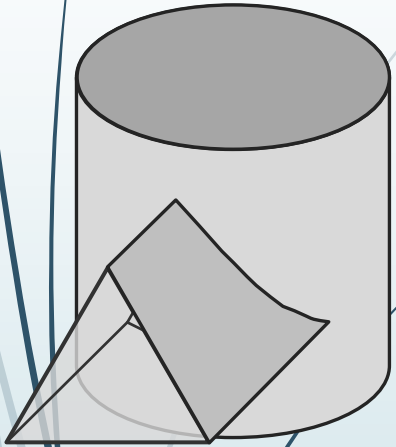
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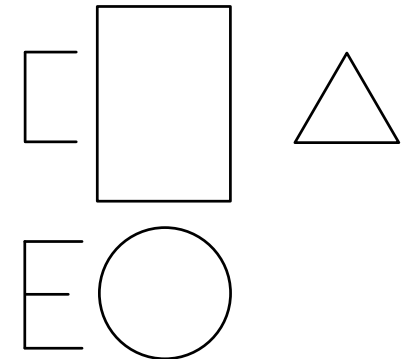
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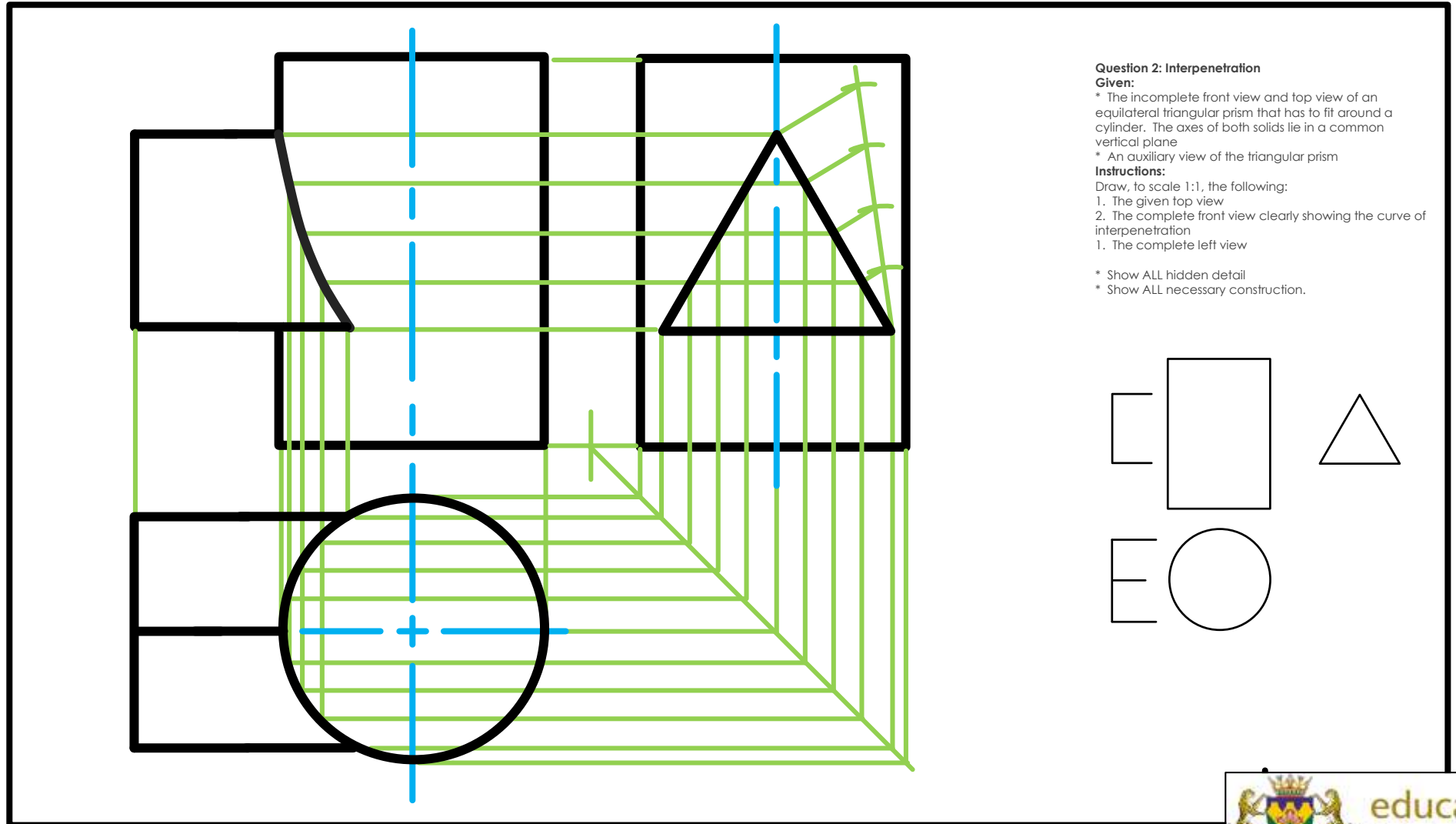
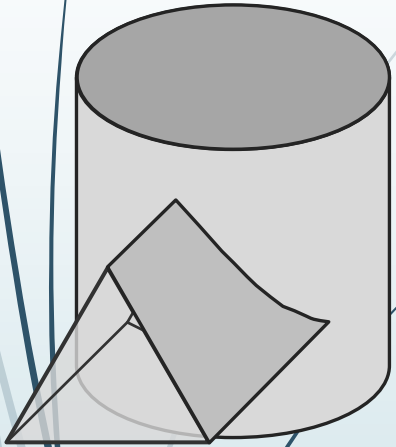
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FREE STATE PROVINCE

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