

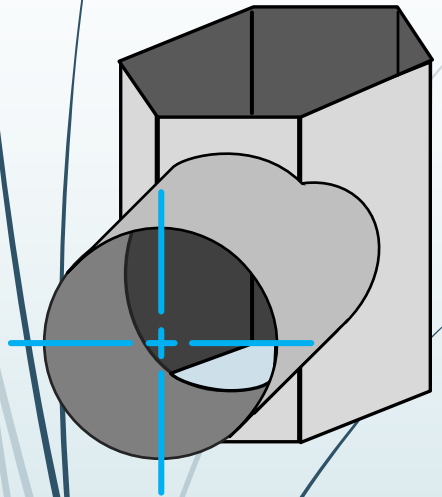
# EGD Grade 11

## Interpenetrations

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 cylinder branch that has to fit around a hexagonal prism. The axes of both solid bodies lie in a common vertical plane

\* An auxiliary view of the cylinder

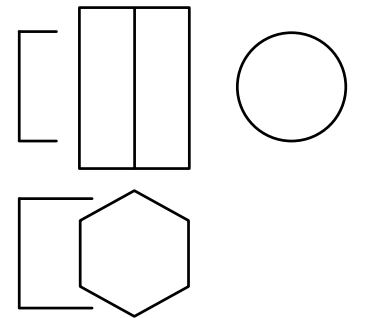
### Instructions:

Draw, to scale 1:1, the following:

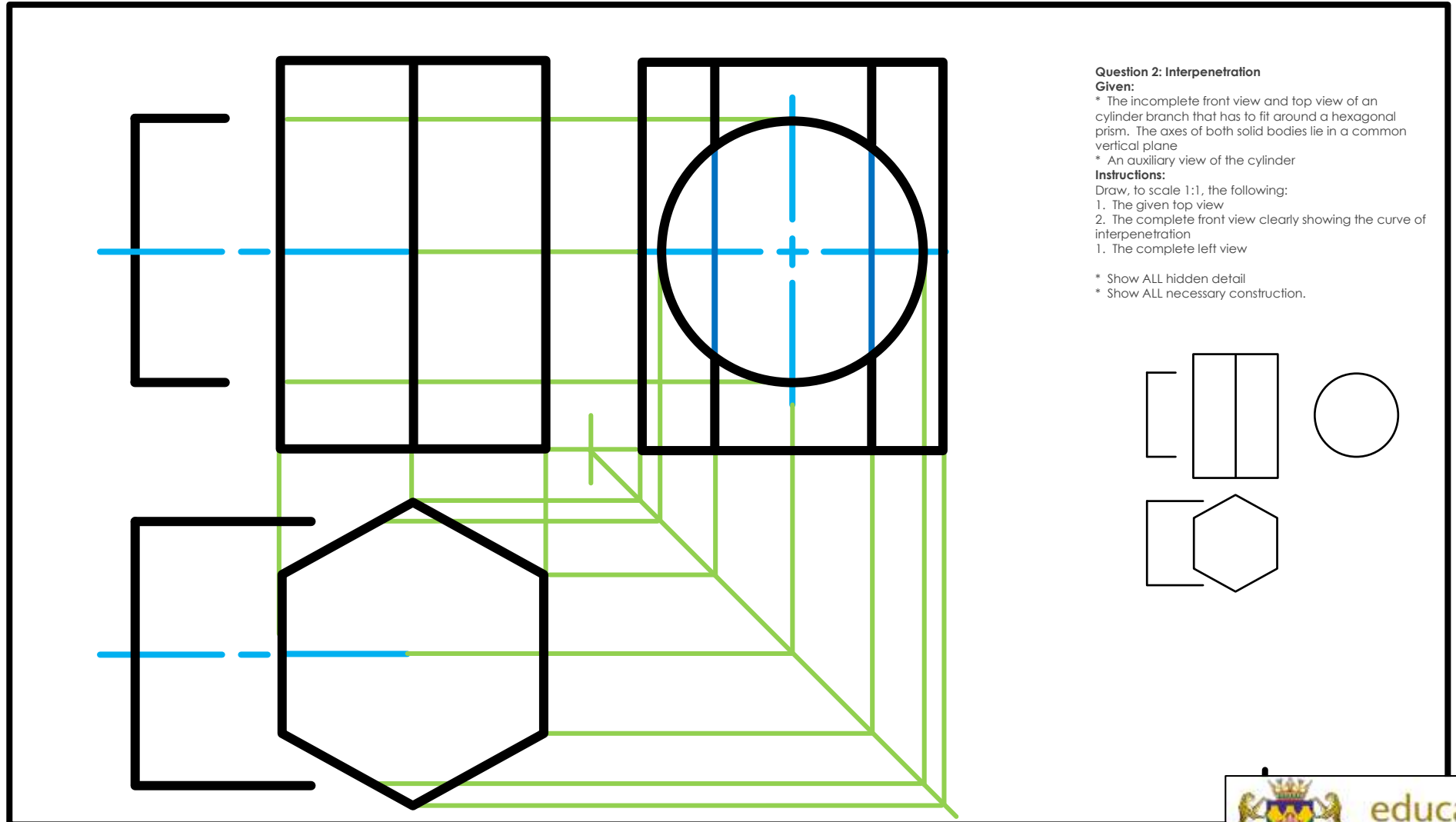
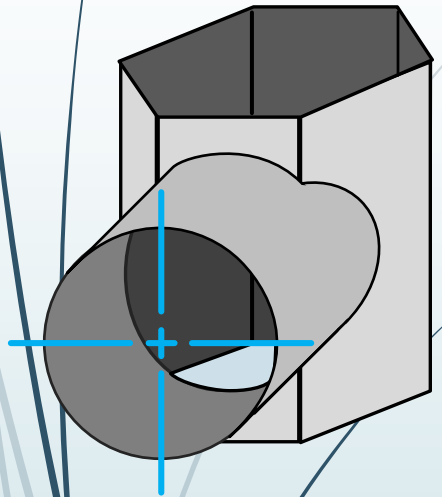
1. The given top view
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\* Show ALL hidden detail

\* Show ALL necessary construction.



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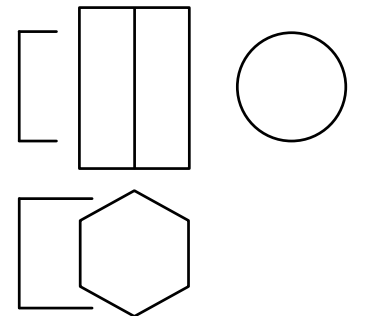
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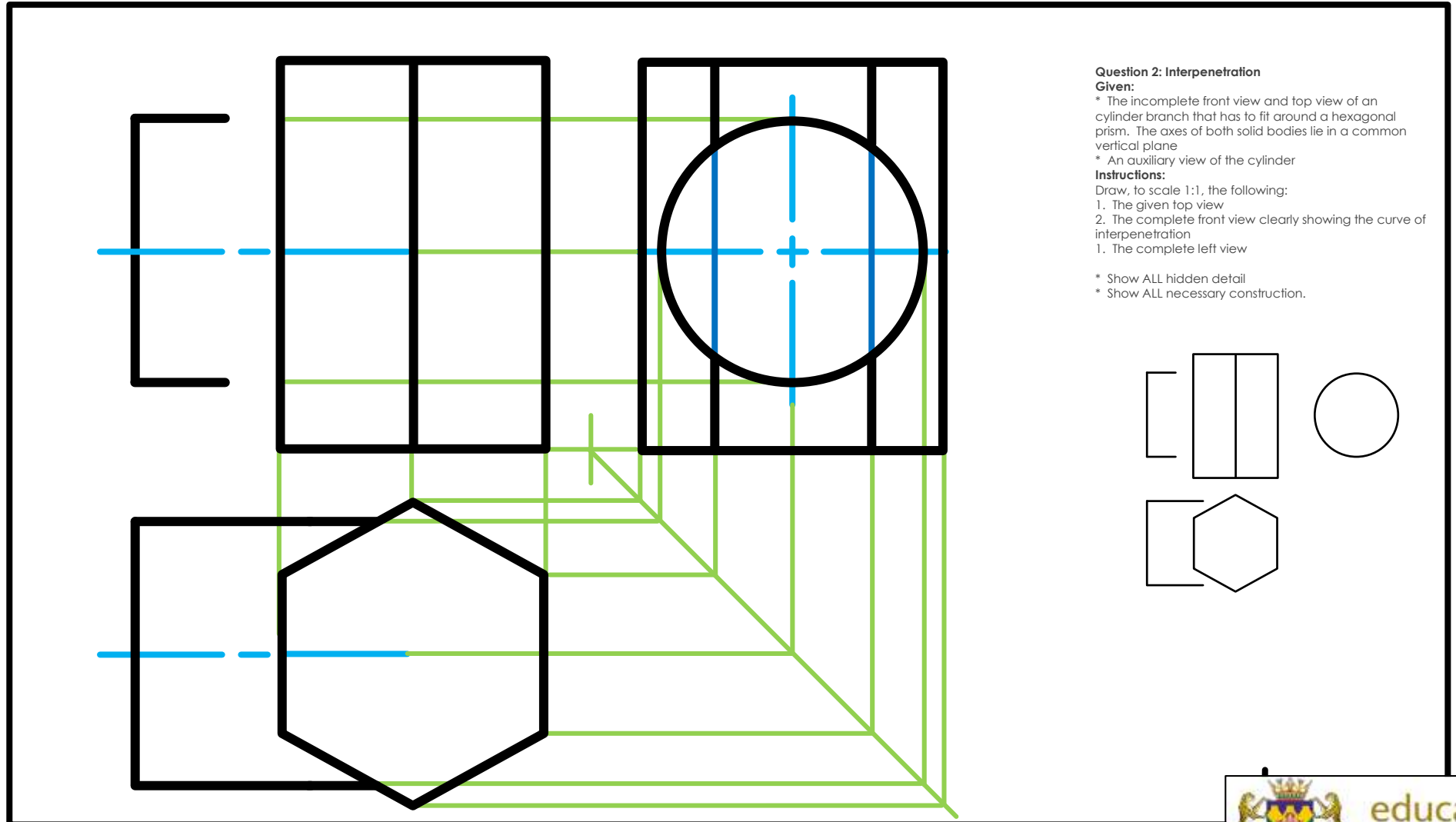
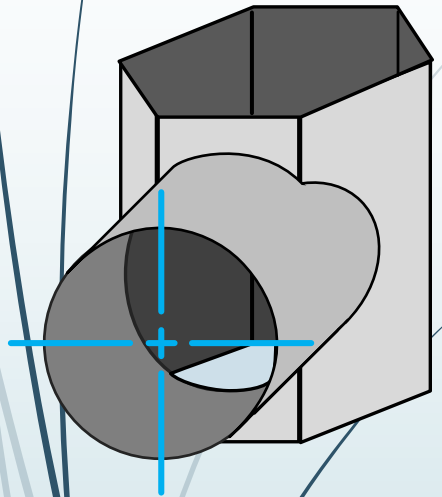
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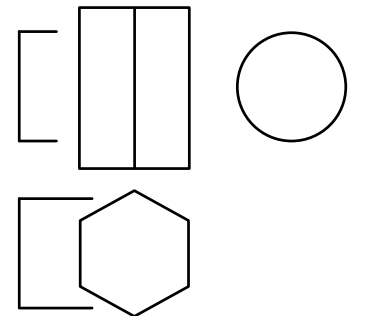
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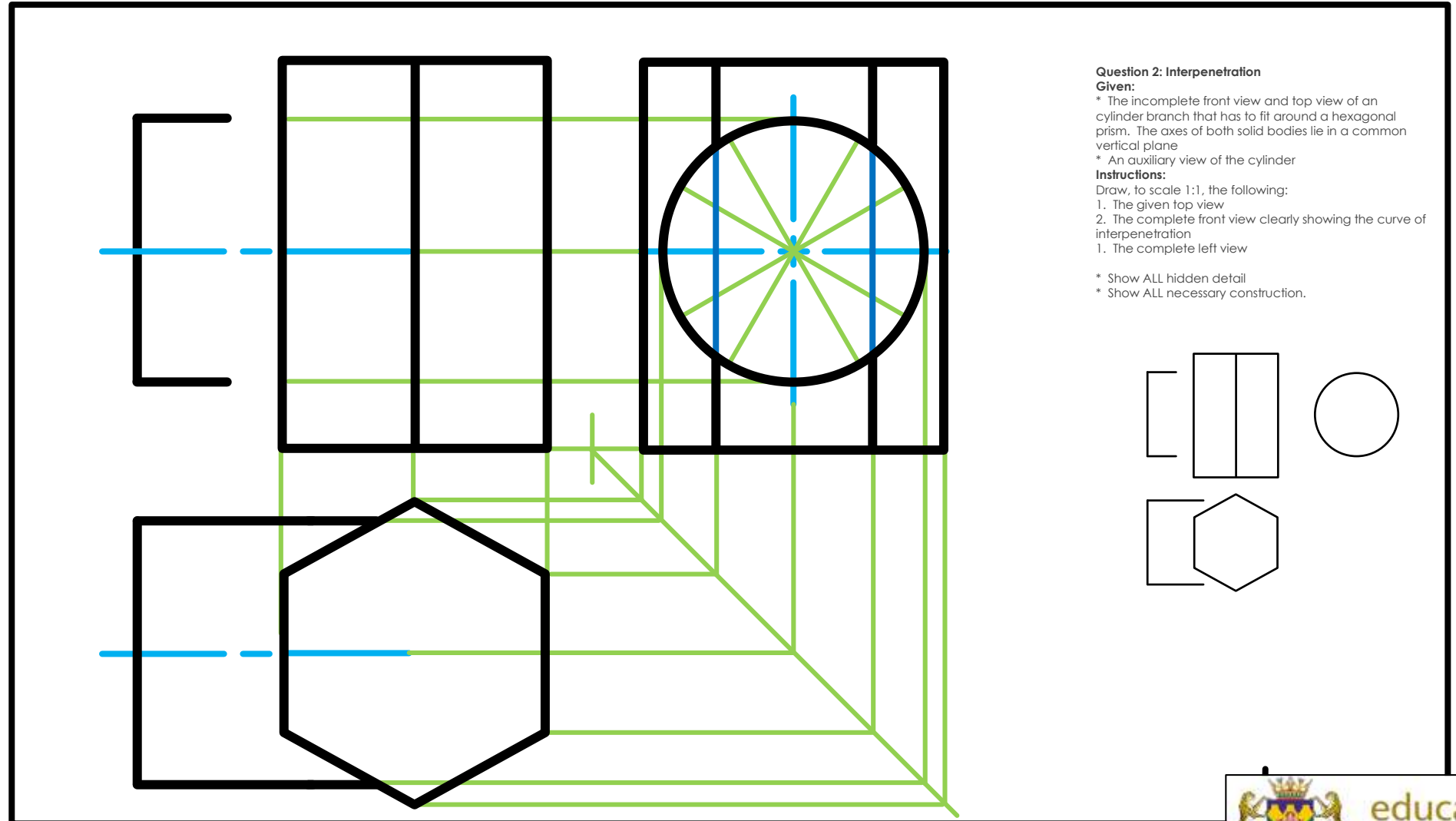
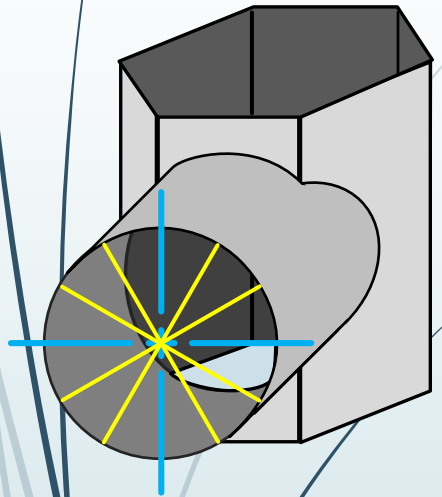
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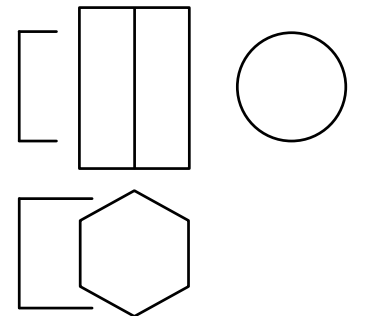
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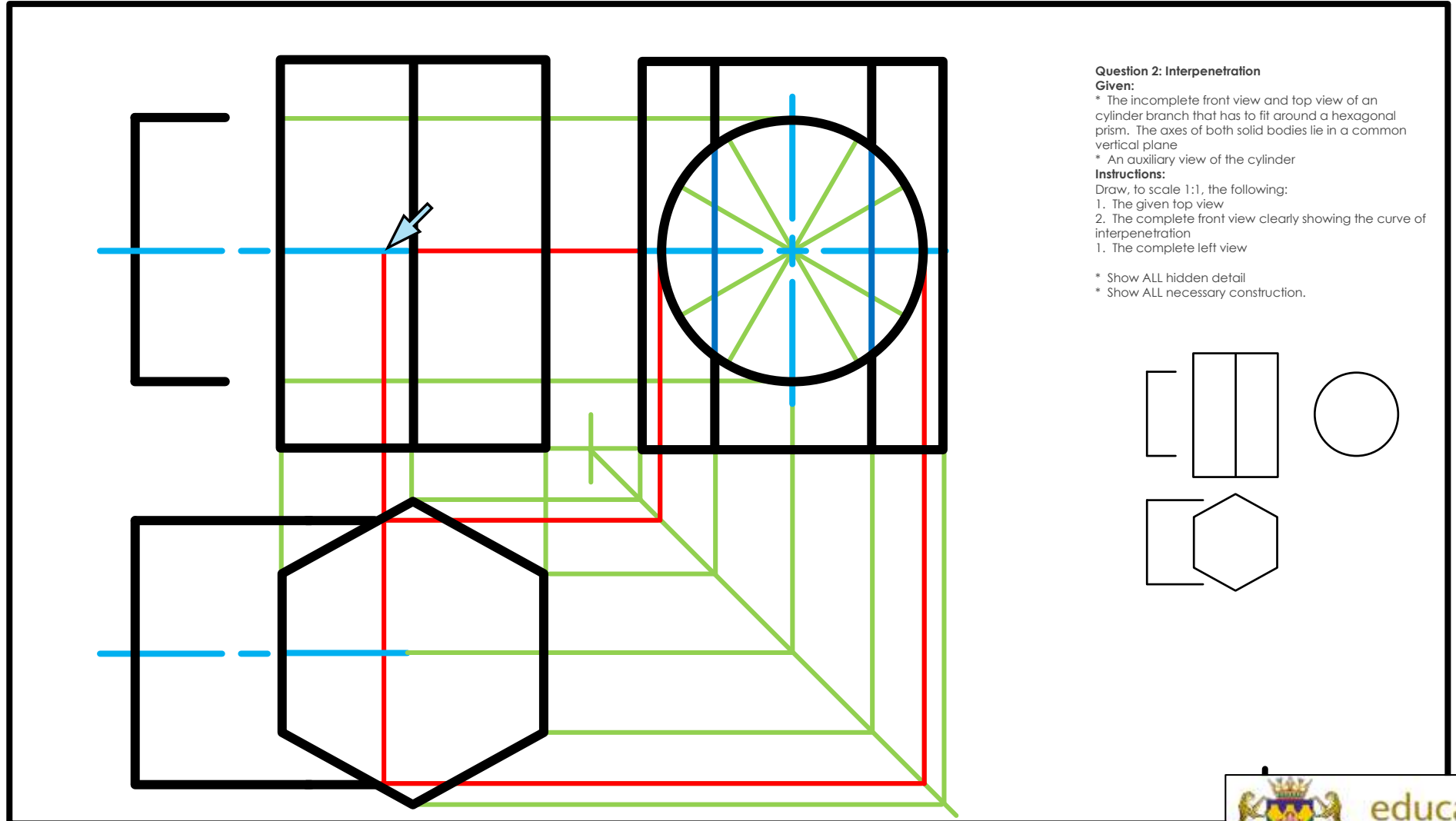
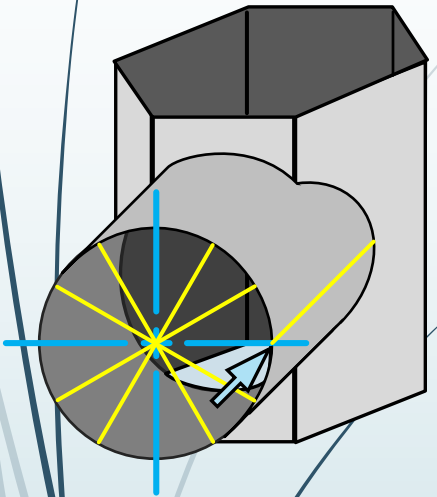
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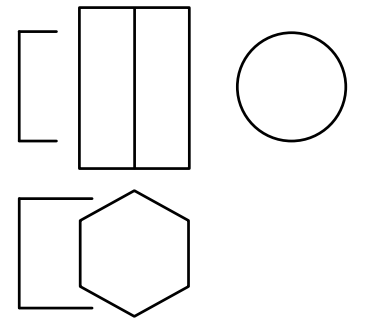
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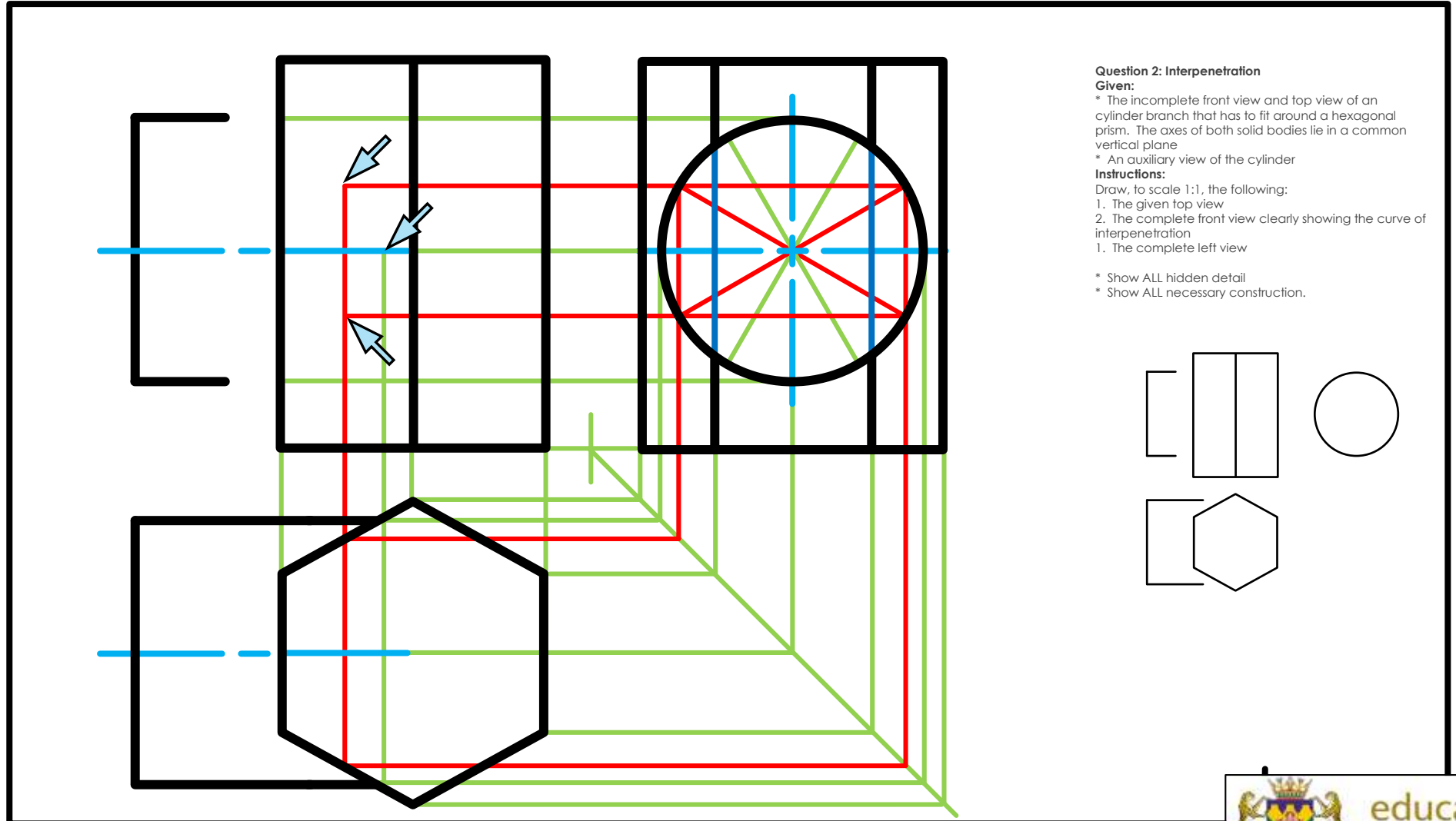
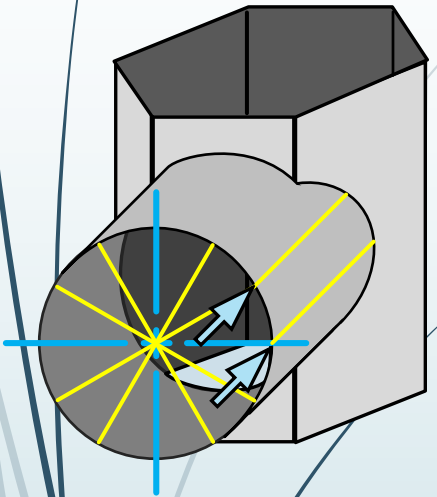
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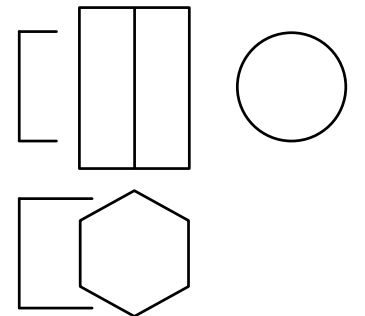
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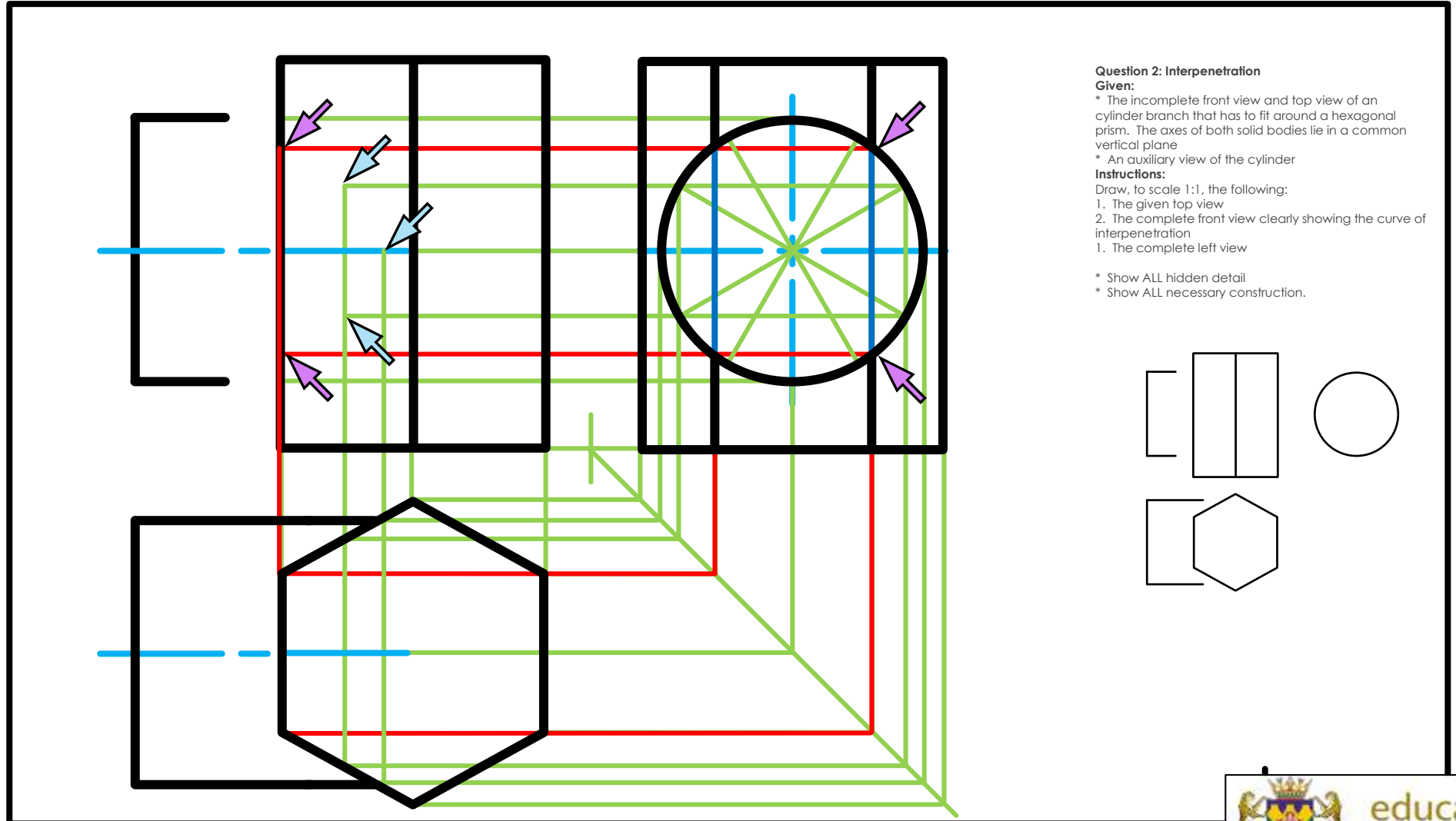
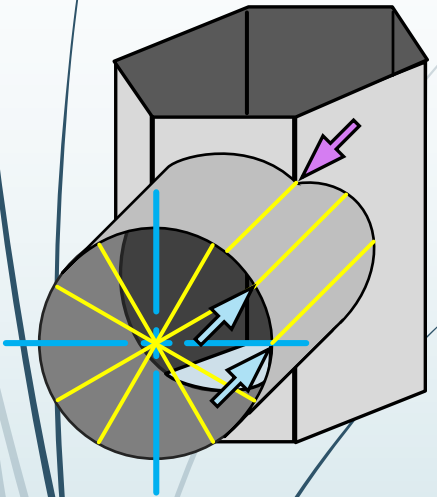
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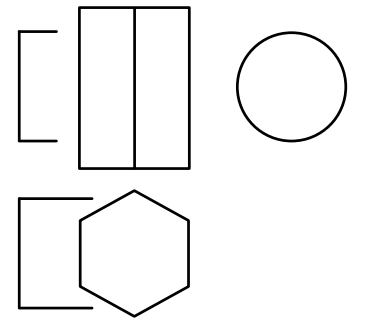
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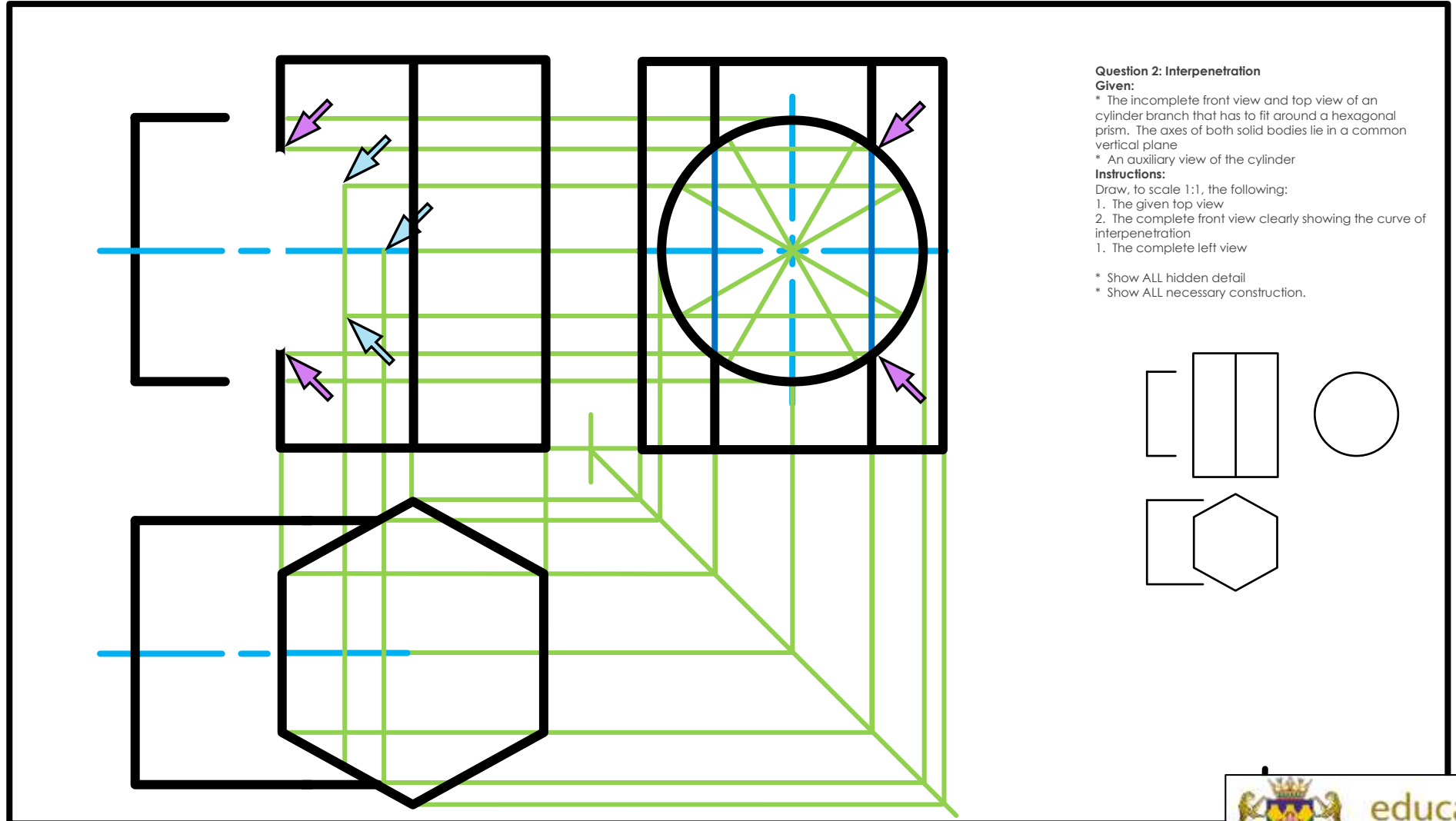
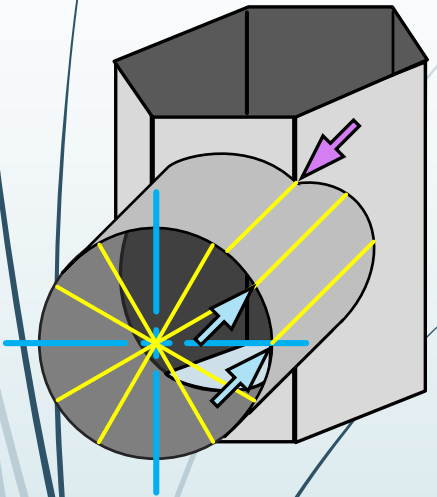
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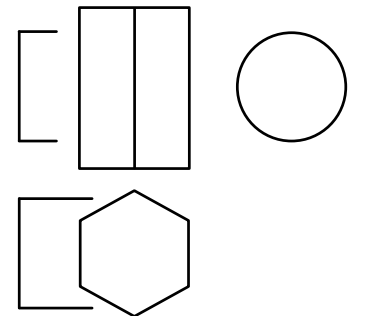
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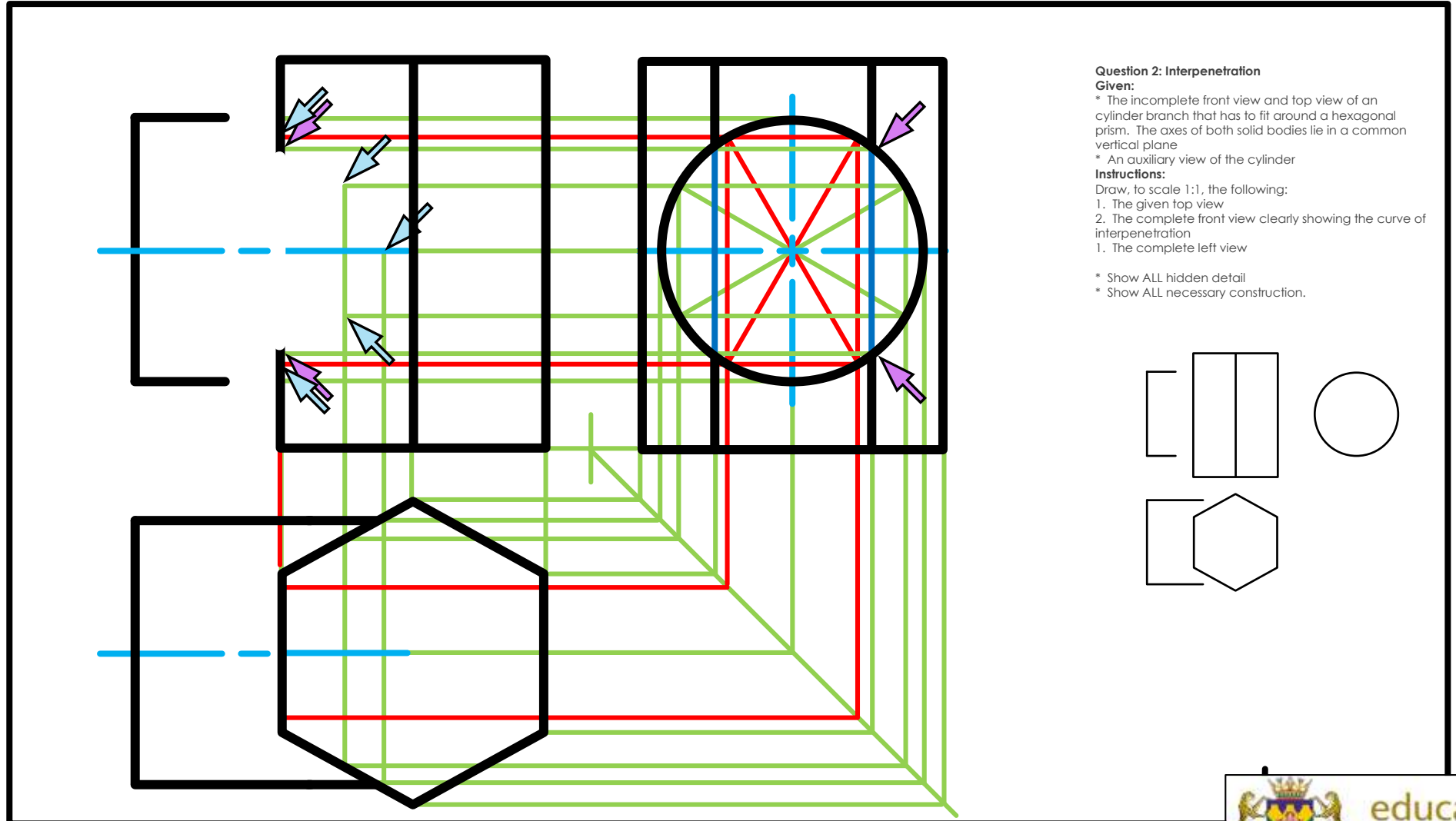
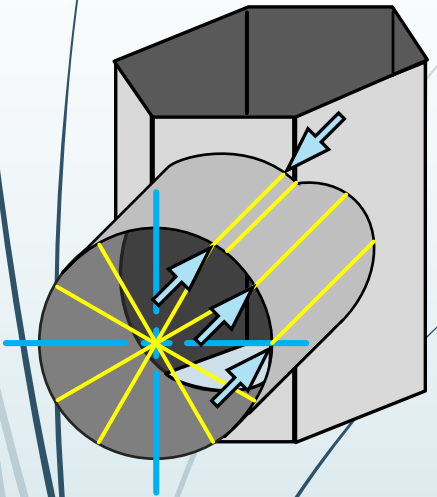
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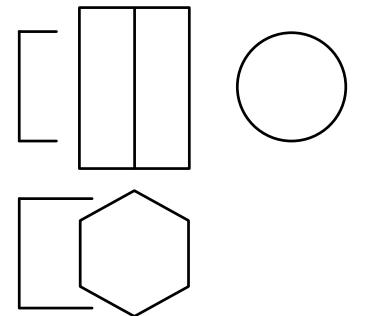
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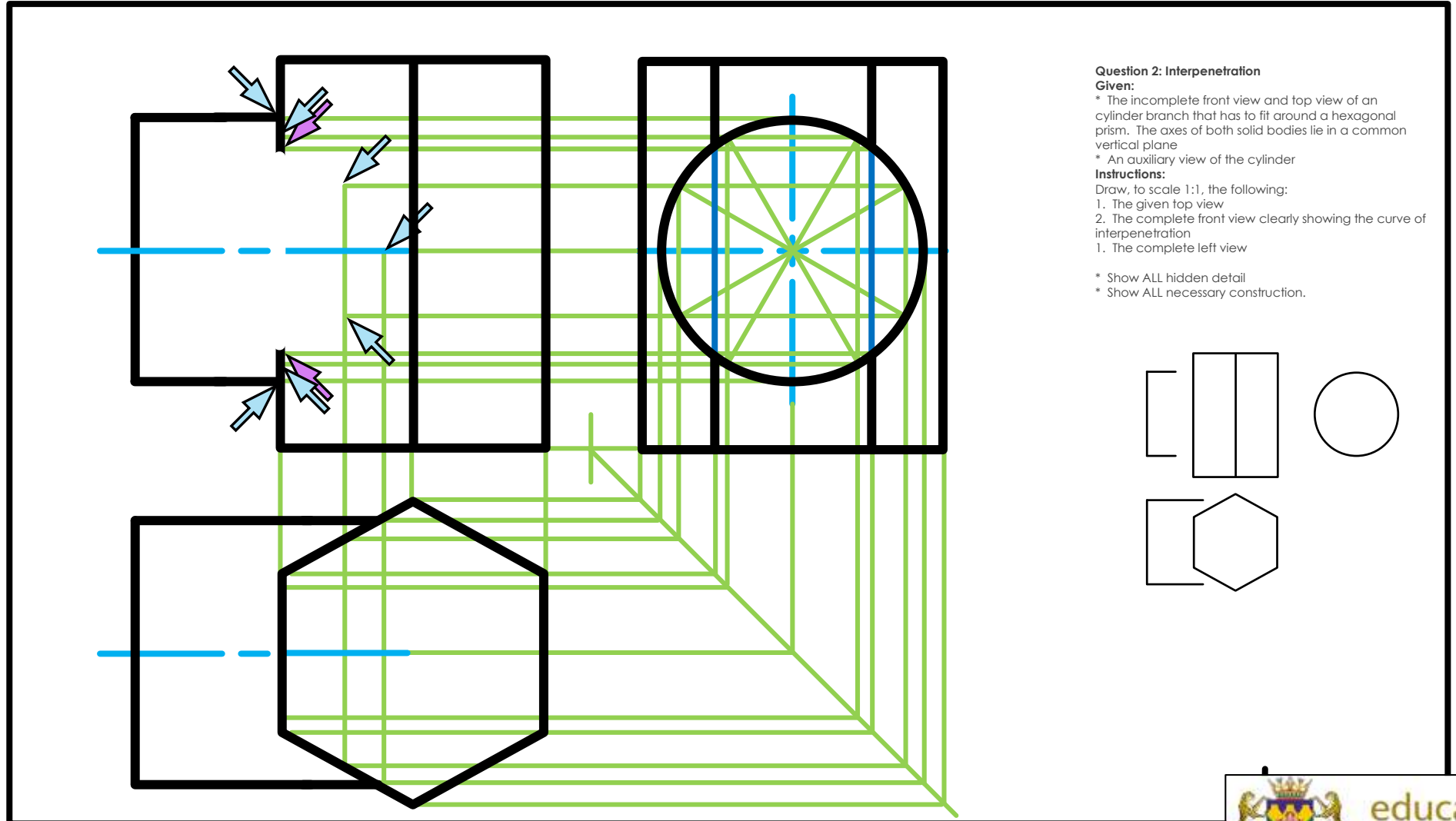
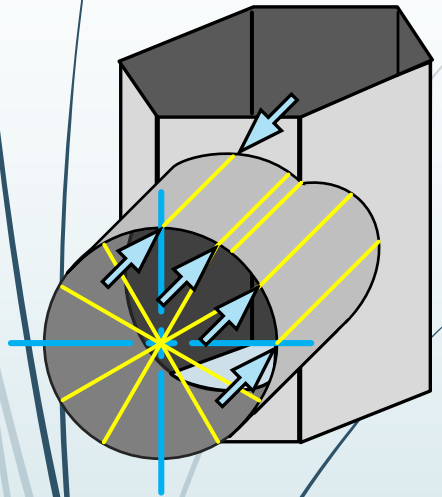
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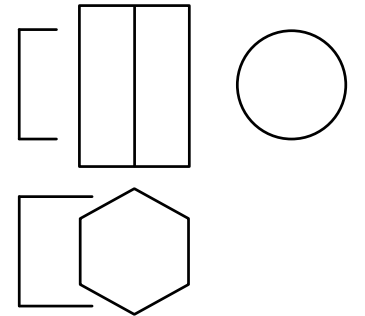
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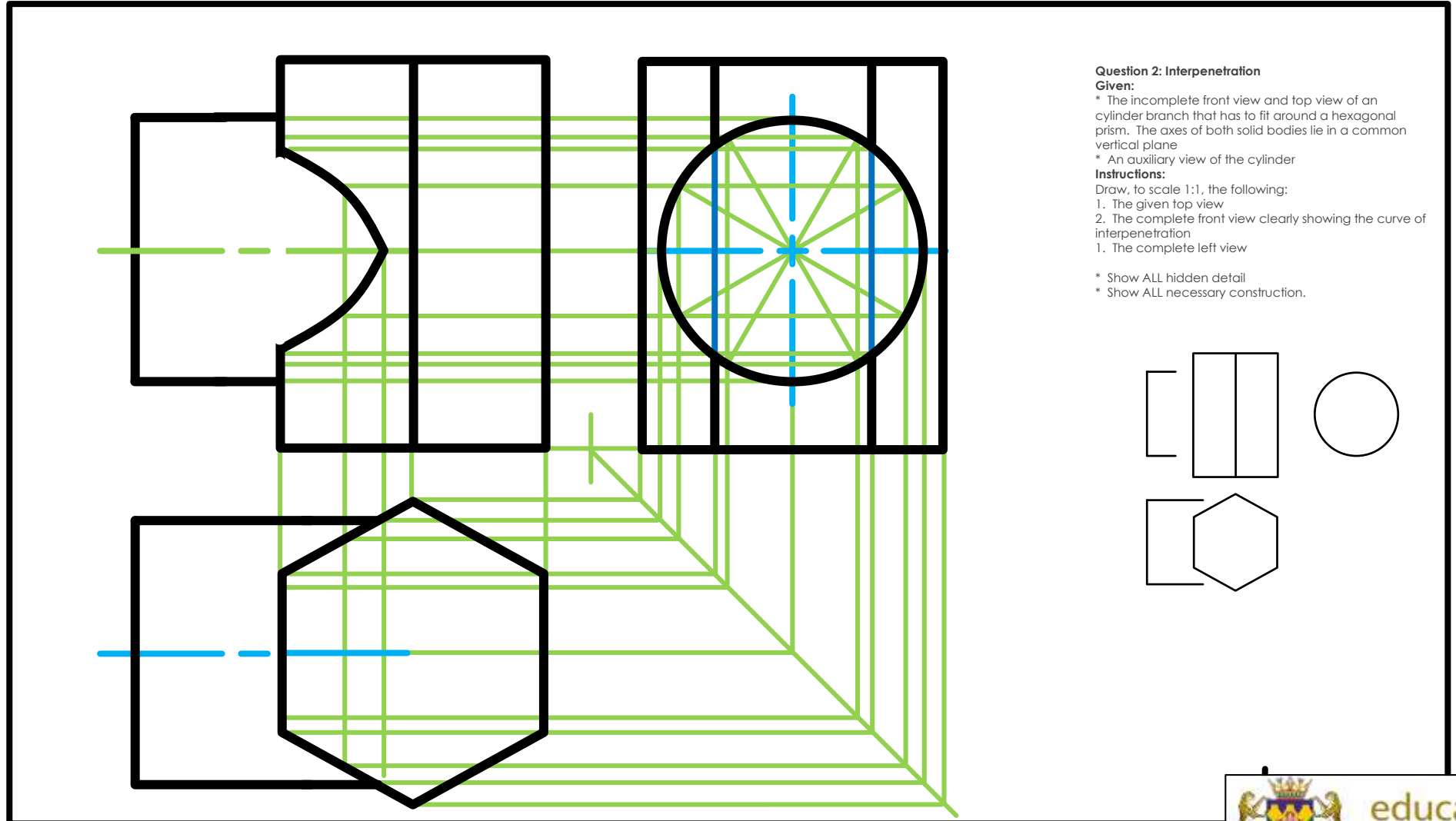
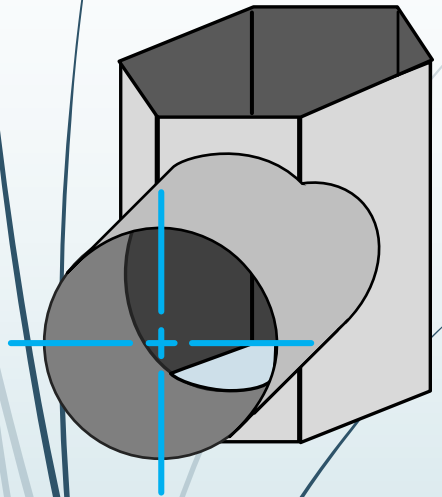
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