



QUESTION 2: INTERPENETRATION AND DEVELOPMENT

Given:

- The incomplete top view and front view of a regular hollow hexagonal prism intersecting a regular hollow square prism.
- An incomplete auxiliary view of the hexagonal prism.

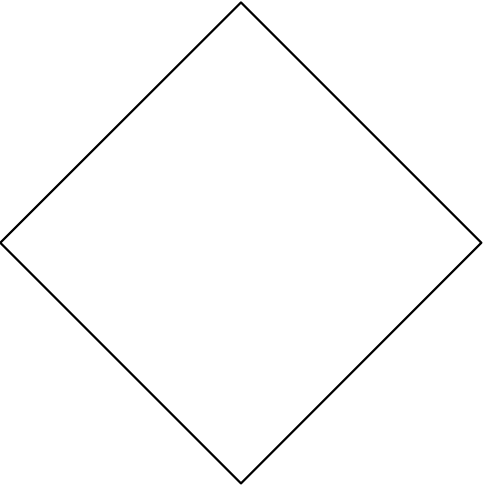
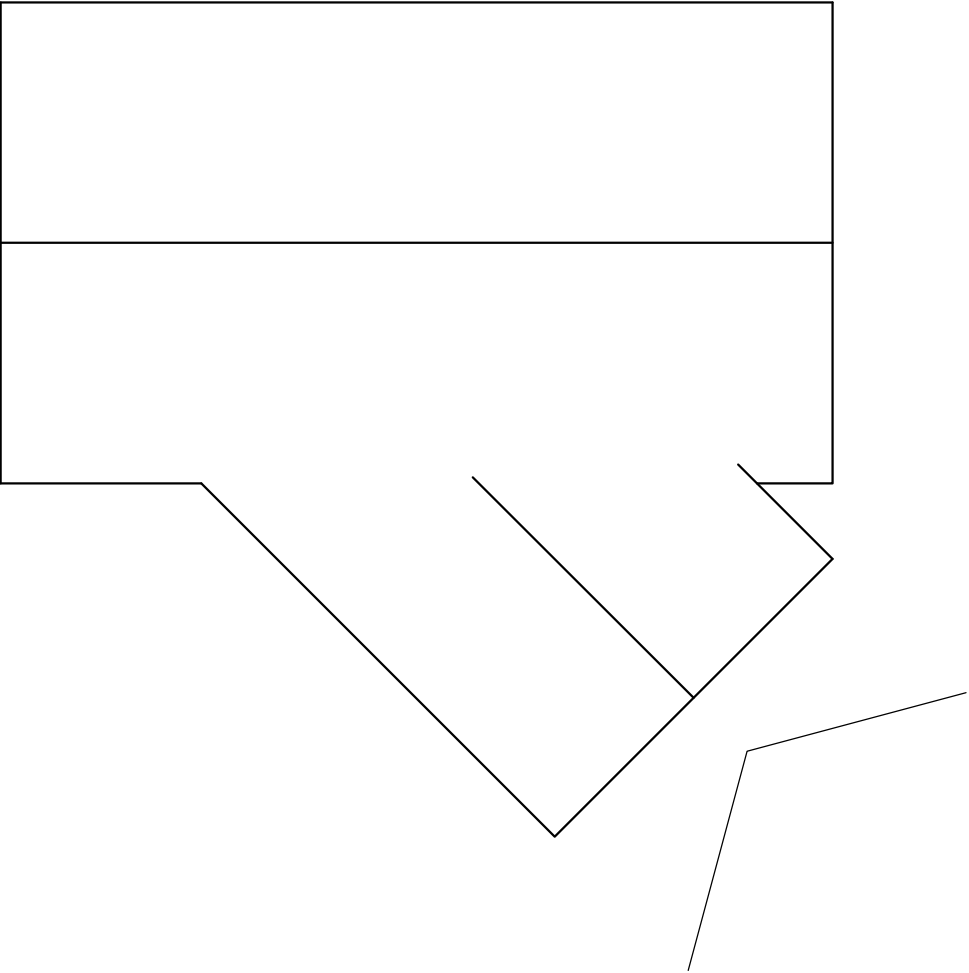
Instructions:

- Complete the auxiliary view of the hexagonal prism.
- Complete the top view.
- Complete the front view, clearly showing the curve of interpenetration formed between the two prisms.
- Develop only the sides of the square prism showing the true shape of the hole formed.

Note:

The axes of both prisms lie in the same vertical plane.
Show all constructions and projections.

[19]



| ASSESSMENT CRITERIA | | |
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| Auxiliary view | 2 | |
| Completed top view | 5 | |
| Interpenetration curve | 4 | |
| Development | 5 | |
| Constructions | 3 | |
| TOTAL | 19 | |

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