

STAPEL

QUESTION 2: SOLID GEOMETRY

Given:

The front view of a right square pyramid leaning against a right pentagonal pyramid
 The top view of the above mentioned right solids
 The cutting plane A-A

Specification:

The solids are cut by the cutting plane A-A

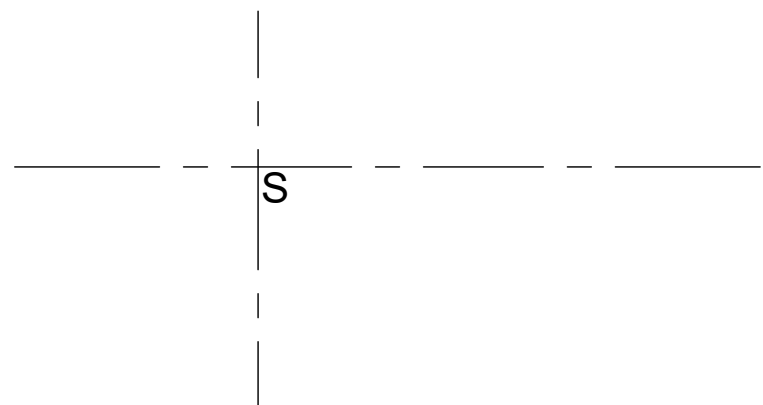
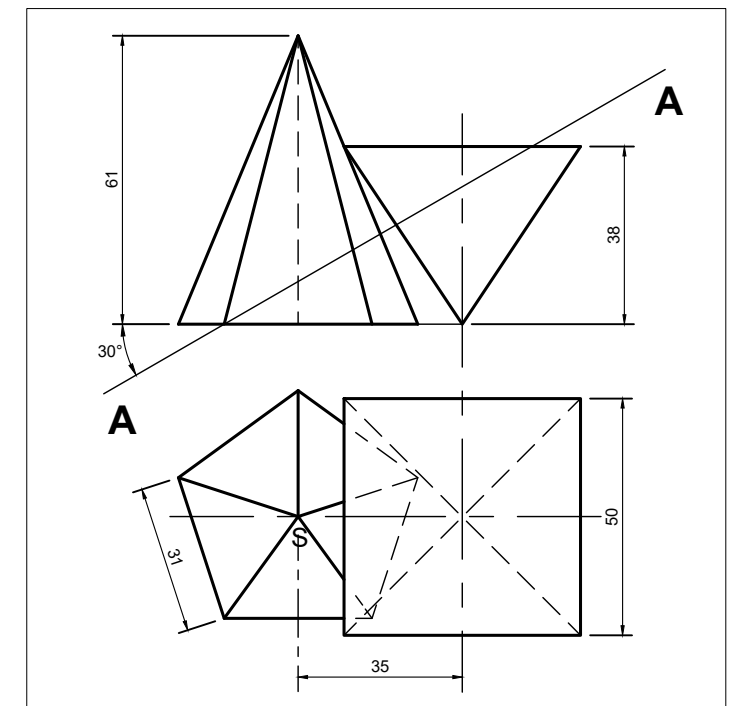
Instructions:

Draw, to scale 1 : 1, the following views of the solid:

- 2.1 The given front view
- 2.2 A sectional top view
- 2.3 A sectional left view
- 2.4 The true shape of the cut surface

Note:

- Use S as the start position
- The axis of both pyramids are in line and parallel with each other
- Planning is essential
- Show all construction lines
- Show all hidden detail



ASSESSMENT CRITERIA

1	TOP VIEW	11		
2	FRONT VIEW	9		
3	SECTIONED TOP VIEW ($\frac{22}{2}$)	11		
4	SECTIONED LEFT VIEW ($\frac{15}{2}$)	7.5		
5	TRUE SHAPE ($\frac{13}{2}$)	6.5		
TOTAL		45.0		



SOLID GEOMETRY

ESTIMATED TIME FOR COMPLETION
 YOUR TIME FOR COMPLETION

35 MIN
 MIN

GRADE
12

INITIALS &
 SURNAME

TASK
8.3

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