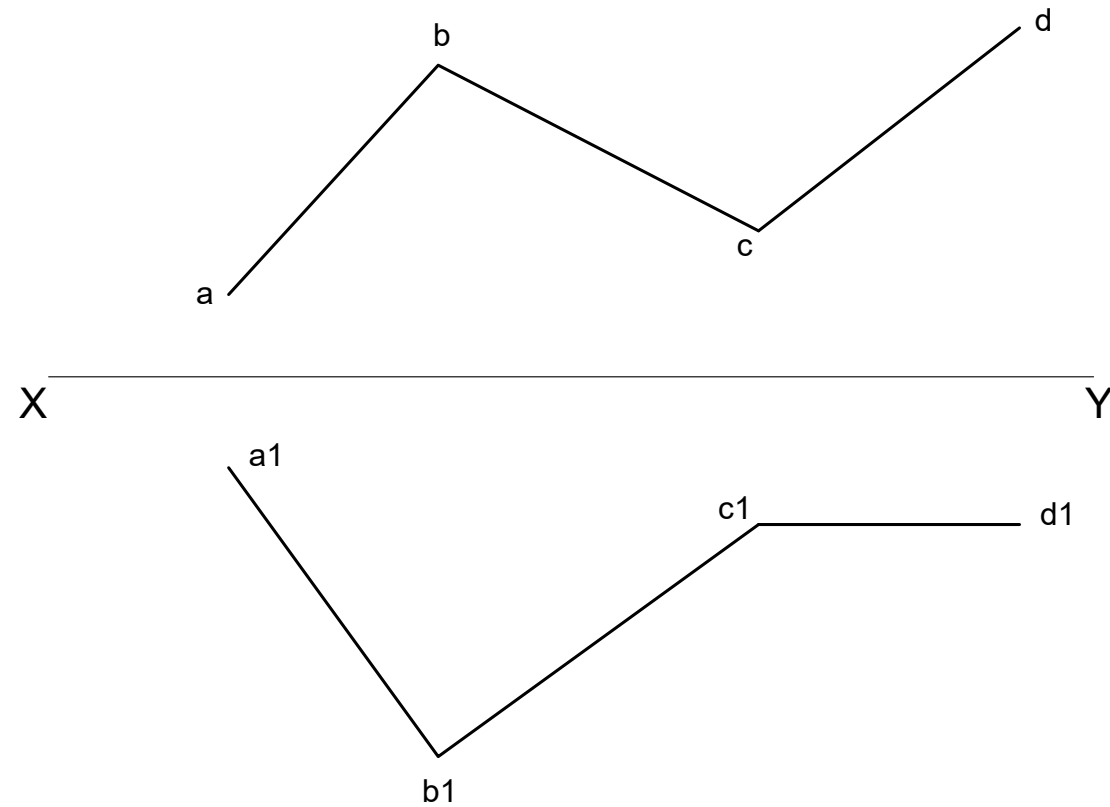


**QUESTION 11.3.1:
DESCRIPTIVE GEOMETRY**

Given:
The front view and top view of line ABCD in first angle-orthographic projection.

- Instructions:**
Determine the following:
- By means of construction, the true length of line AB.
 - The angle of line AB with regards to the vertical plane.
 - By means of projection, the true length of line BC.
 - The angle of line BC with regards to the horizontal plane.
 - The true length of line CD and the angle of line CD with regard to the horizontal plane.

- Note:**
- Show all constructions
 - Complete the table



TABEL	
TL - AB	
ϕ - AB	
TL - BC	
\ominus - BC	
TL - CD	
\ominus - CD	

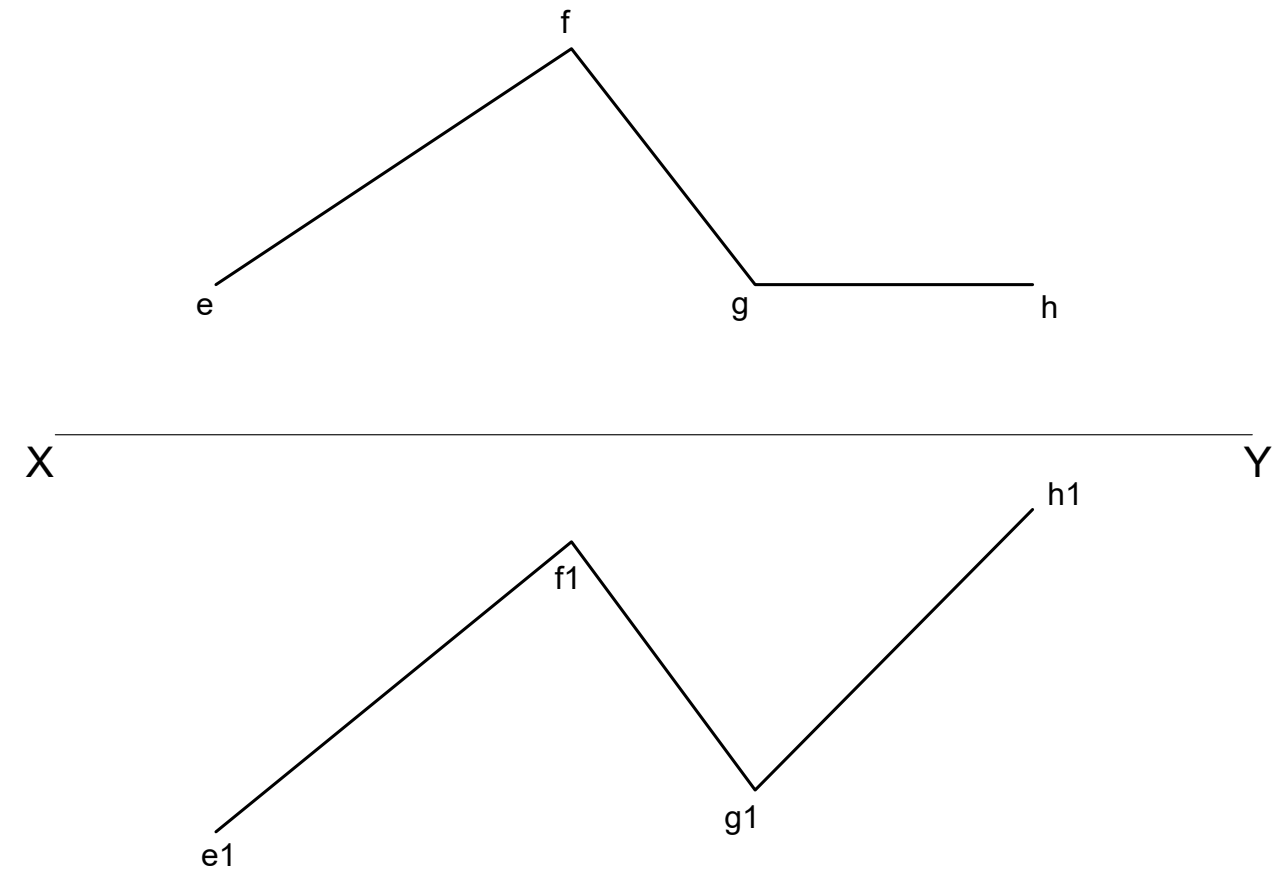
ASSESSMENT CRITERIA				
1	LINE - AB	7		
2	LINE - BC	6		
3	LINE - CD	1		
4	TABLE	6		
PENALIZING (-1)				
TOTAL		20		

**QUESTION 11.3.2:
DESCRIPTIVE GEOMETRY**

Given:
The front view and top view of line EFGH in first angle-orthographic projection.

- Instructions:**
Determine the following:
- By means of construction, the true length of line EF.
 - The angle of line EG with regards to the horizontal plane.
 - By means of projection, the true length of line FG.
 - The angle of line FG with regard to the vertical plane.
 - The true length of line GH and the angle of line GH with regards to the vertical plane.
 - The total length of line EFGH.

- Note:**
- Show all constructions
 - Complete the table



TABEL	
TL - EF	
\ominus - EF	
TL - FG	
ϕ - FG	
TL - GH	
ϕ - GH	
TL - EFGH	

ASSESSMENT CRITERIA				
1	LINE - EF	7		
2	LINE - FG	6		
3	LINE - GH	1		
4	TABLE	7		
PENALIZING (-1)				
TOTAL		21		



DESCRIPTIVE GEOMETRY	ESTIMATED TIME FOR COMPLETION	30 MIN	GRADE	NAME & SURNAME	TASK	PAGE
	YOUR TIME OF COMPLETION	MIN	10			
					9.3	3.3