

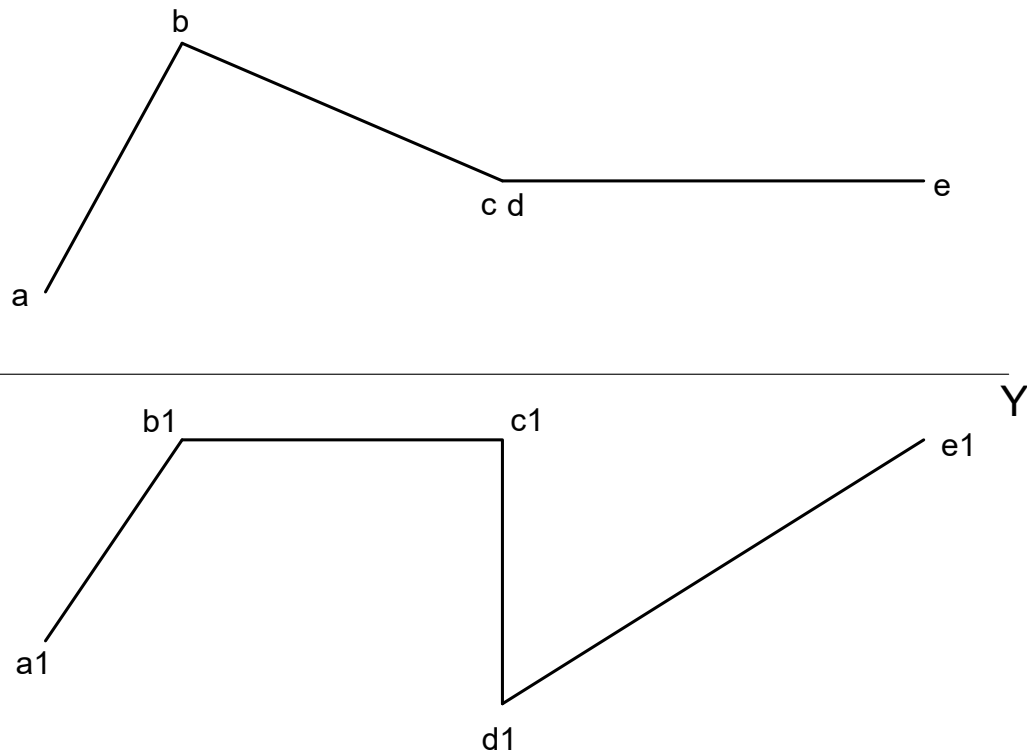
**QUESTION 11.4.1:
DESCRIPTIVE GEOMETRY**

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

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

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

TABLE	
TL - AB	
ϕ - AB	
TL - BC	
ϕ - BC	
TL - CD	
ϕ - CD	
TL - DE	
ϕ - DE	
TL - ABCDE	



ASSESSMENT CRITERIA			
1	LINE - AB	6	
2	LINE - BC	1	
3	LINE - CD	1	
4	LINE - DE	1	
4	TABLE	9	
PENALIZING (-1)			
TOTAL		18	

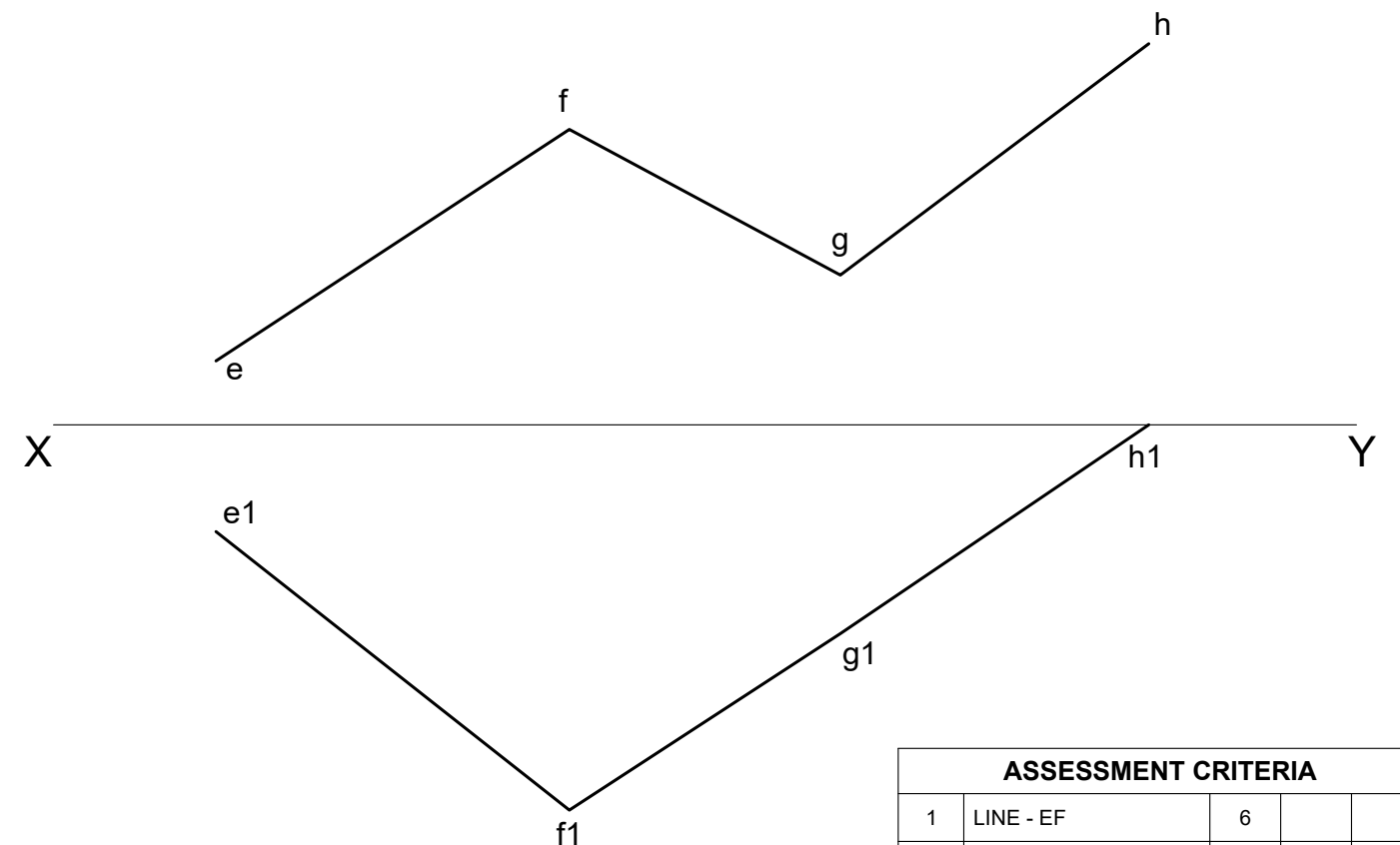
**QUESTION 11.4.2:
DESCRIPTIVE GEOMETRY**

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

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

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

TABLE	
TL - EF	
ϕ - EF	
TL - FG	
ϕ - FG	
TL - GH	
ϕ - GH	
TL - EFGH	



ASSESSMENT CRITERIA			
1	LINE - EF	6	
2	LINE - FG	6	
3	LINE - GH	6	
4	TABLE	7	
PENALIZING (-1)			
TOTAL		25	

