

**QUESTION 11.1.1:
DESCRIPTIVE GEOMETRY**

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

- Instructions:**
Determine, by means of projection, the following:
- The true length of line segment AB.
 - The angle of line segment AB with regard to the vertical plane.
 - A left view

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

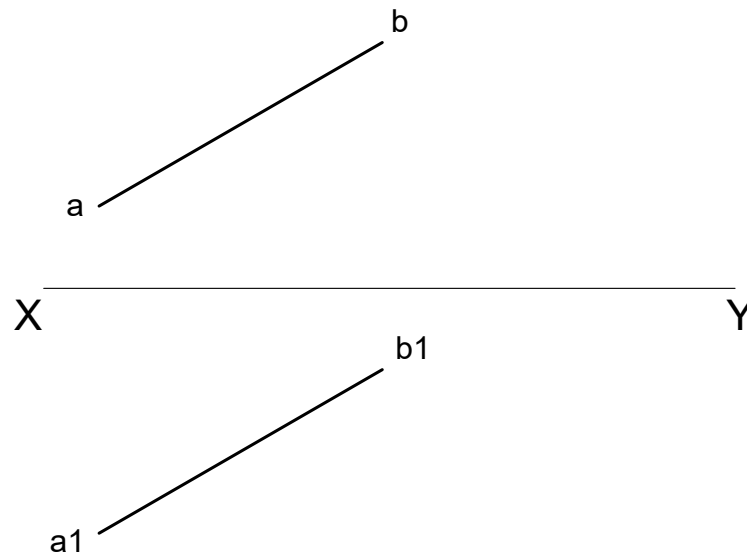


TABLE	
2.1	TL - AB
2.2	ϕ - AB

ASSESSMENT CRITERIA			
1	TRUE LENGTH of AB	7	
2	LEFT VIEW	3	
3	TABLE	2	
PENALIZING (-1)			
TOTAL		12	

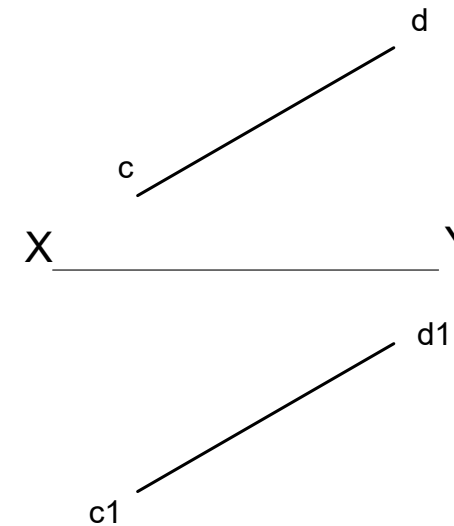
TABLE	
2.1	TL - CD
2.2	\ominus - CD

**QUESTION 11.1.2:
DESCRIPTIVE GEOMETRY**

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

- Instructions:**
Determine, by means of projection, the following:
- The true length of line segment CD.
 - The angle of line segment CD with regard to the horizontal plane.
 - A right view

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



ASSESSMENT CRITERIA			
1	TRUE LENGTH of CD	7	
2	RIGHT VIEW	3	
3	TABLE	2	
PENALIZING (-1)			
TOTAL		12	

**QUESTION 11.1.3:
DESCRIPTIVE GEOMETRY**

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

- Instructions:**
Determine, by means of projection, the following:
- The true length of line segment EF.
 - The angle of line segment EF with regard to the vertical plane.
 - A left view

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

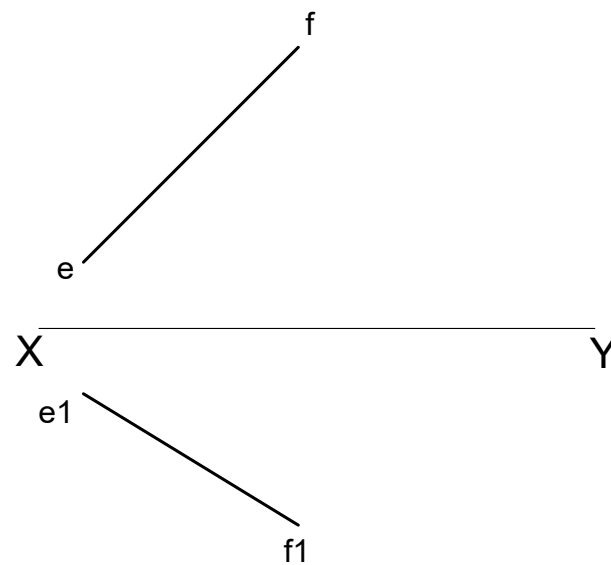


TABLE	
2.1	TL - EF
2.2	ϕ - EF

ASSESSMENT CRITERIA			
1	TRUE LENGTH of EF	7	
2	LEFT VIEW	3	
3	TABLE	2	
PENALIZING (-1)			
TOTAL		12	

**QUESTION 11.1.4:
DESCRIPTIVE GEOMETRY**

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

- Instructions:**
Determine, by means of projection, the following:
- The true length of line segment GH.
 - The angle of line segment GH with regard to the horizontal plane.
 - A left view

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

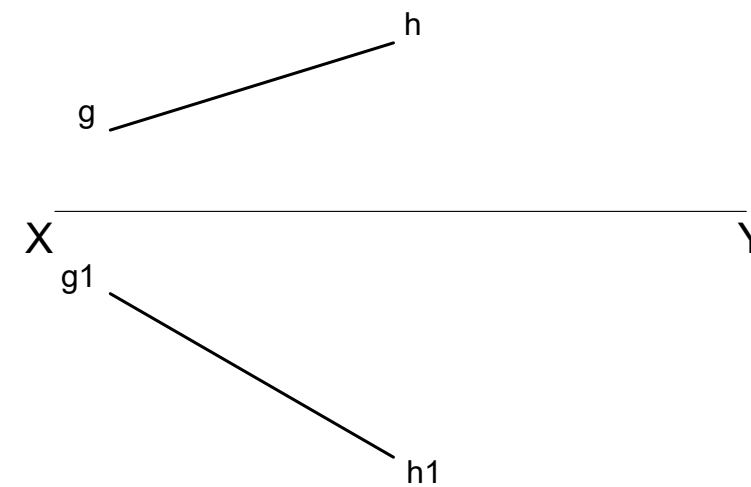


TABLE	
2.1	TL - GH
2.2	\ominus - GH

ASSESSMENT CRITERIA			
1	TRUE LENGTH of GH	7	
2	LEFT VIEW	3	
3	TABLE	2	
PENALIZING (-1)			
TOTAL		12	

