

**QUESTION 11.2.1:  
DESCRIPTIVE GEOMETRY**

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

**Instructions:**  
Determine, by means of construction, 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

ASSESSMENT CRITERIA				
1	TRUE LENGTH of AB	6		
2	LEFT VIEW	3		
3	TABLE	2		
PENALIZING (-1)				
<b>TOTAL</b>		11		

TABLE		
2.1	TL - AB	
2.2	$\phi$ - AB	

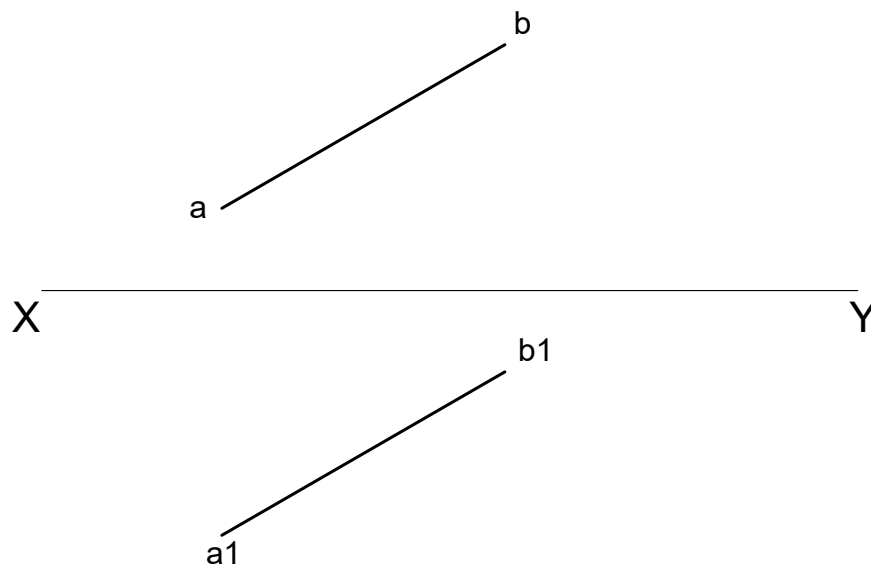


TABLE		
2.1	TL - CD	
2.2	$\ominus$ - CD	

**QUESTION 11.2.2:  
DESCRIPTIVE GEOMETRY**

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

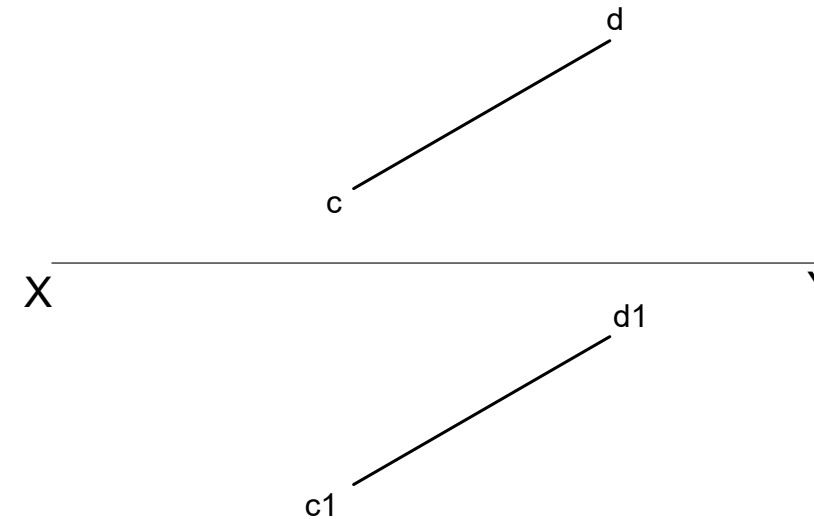
**Instructions:**  
Determine, by means of construction, the following:

- 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	6		
2	RIGHT VIEW	3		
3	TABLE	2		
PENALIZING (-1)				
<b>TOTAL</b>		11		



**QUESTION 11.2.3:  
DESCRIPTIVE GEOMETRY**

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

**Instructions:**  
Determine, by means of construction, the following:

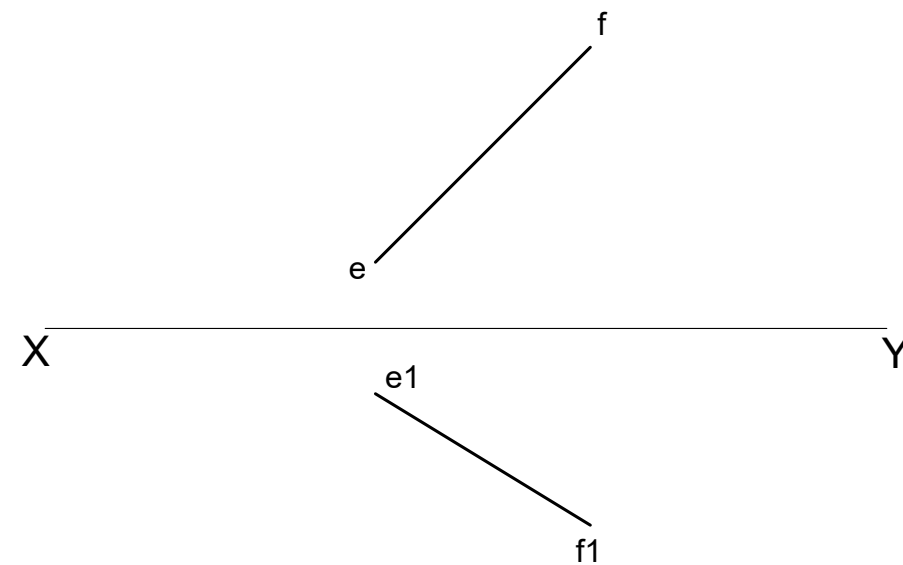
- The true length of line segment EF.
- The angle of line segment EF with regard to the vertical plane.
- A left view

**Note:**

- Show all constructions
- Complete the table

ASSESSMENT CRITERIA				
1	TRUE LENGTH of EF	6		
2	LEFT VIEW	3		
3	TABLE	2		
PENALIZING (-1)				
<b>TOTAL</b>		11		

TABLE		
2.1	TL - EF	
2.2	$\phi$ - EF	



**QUESTION 11.2.4:  
DESCRIPTIVE GEOMETRY**

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

**Instructions:**  
Determine, by means of construction, 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

ASSESSMENT CRITERIA				
1	TRUE LENGTH of GH	6		
2	LEFT VIEW	3		
3	TABLE	2		
PENALIZING (-1)				
<b>TOTAL</b>		11		

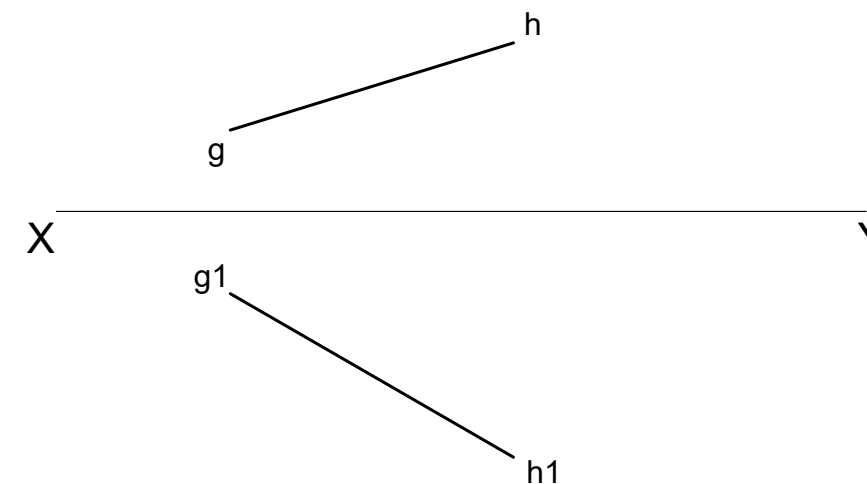


TABLE		
2.1	TL - GH	
2.2	$\ominus$ - GH	

