higher education & training

Department:
Higher Education and Training
REPUBLIC OF SOUTH AFRICA

NASIENRIGLYN

NASIONALE SERTIFIKAAT

PLAATWERK- EN BOUSTAALTEKENE N3

16 November 2022

Hierdie nasienriglyn bestaan uit 8 bladsye.

OPMERKING: HIERDIE NASIERIGLYN BEHOORT ALLEEN AS 'N VERWYSING VIR NASIEN GEBRUIK WORD, AANGESIEN DIE TEKENINGE NIE VOLGENS SKAAL GETEKEN IS NIE.

Kopiereg voorbehou

VRAAG 1: BEREKENINGE

1. $Booglengte = \frac{\pi D}{12}$
$= \frac{\pi \times 36}{12}$ √
$= 9.42\ mm$ √

2. $X - 0 = \sqrt{0^2 + 53^2}$
$= 53\ mm$ √

3. $0 - A = \sqrt{32..5^2 + 53^2}$
$= 62.17\ mm$ √

4. $A - 1 = \sqrt{2.4^2 + 23.5^2 + 53^2}$
$= 58.03\ mm$ √

5. $A - 2 = \sqrt{16.9^2 + 9^2 + 53^2}$
$= 56.35\ mm$ √

6. $A - 3 = \sqrt{18^2 + 14.5^2 + 53^2}$
$= 57.82\ mm$ √

7. $B - 3 = \sqrt{47^2 + 14.5^2 + 53^2}$
$= 72.31\ mm$ √

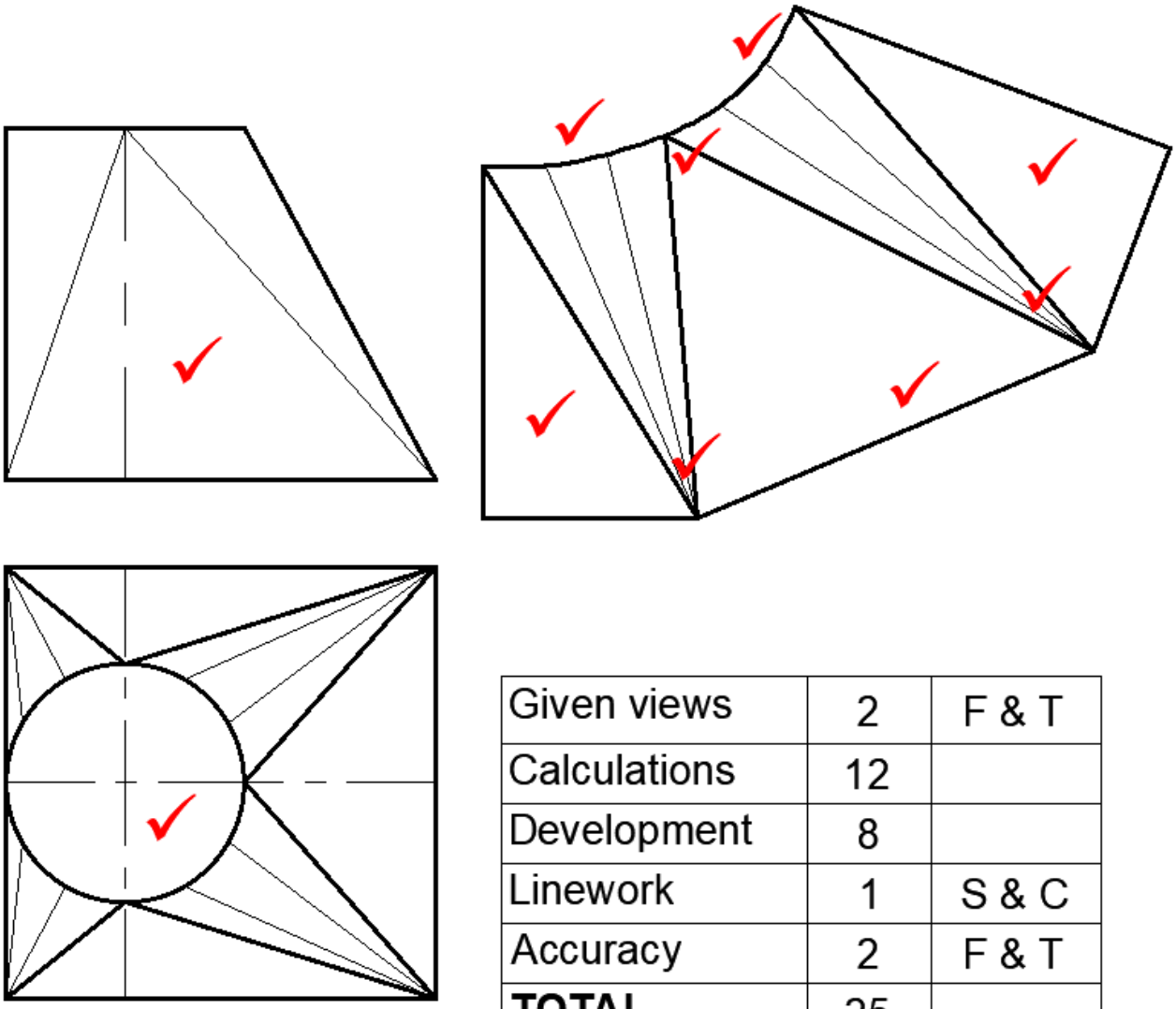
8. $B - 4 = \sqrt{16.9^2 + 38^2 + 53^2}$
$= 67.36\ mm$ √

9. $B - 5 = \sqrt{23.5^2 + 31.4^2 + 53^2}$
$= 65.93\ mm$ √

10. $B - 6 = \sqrt{32.5^2 + 29^2 + 53^2}$
$= 68.6\ mm$ √

11. $C - 6 = \sqrt{32.5^2 + 53^2}$
$= 62.17\ mm$ √

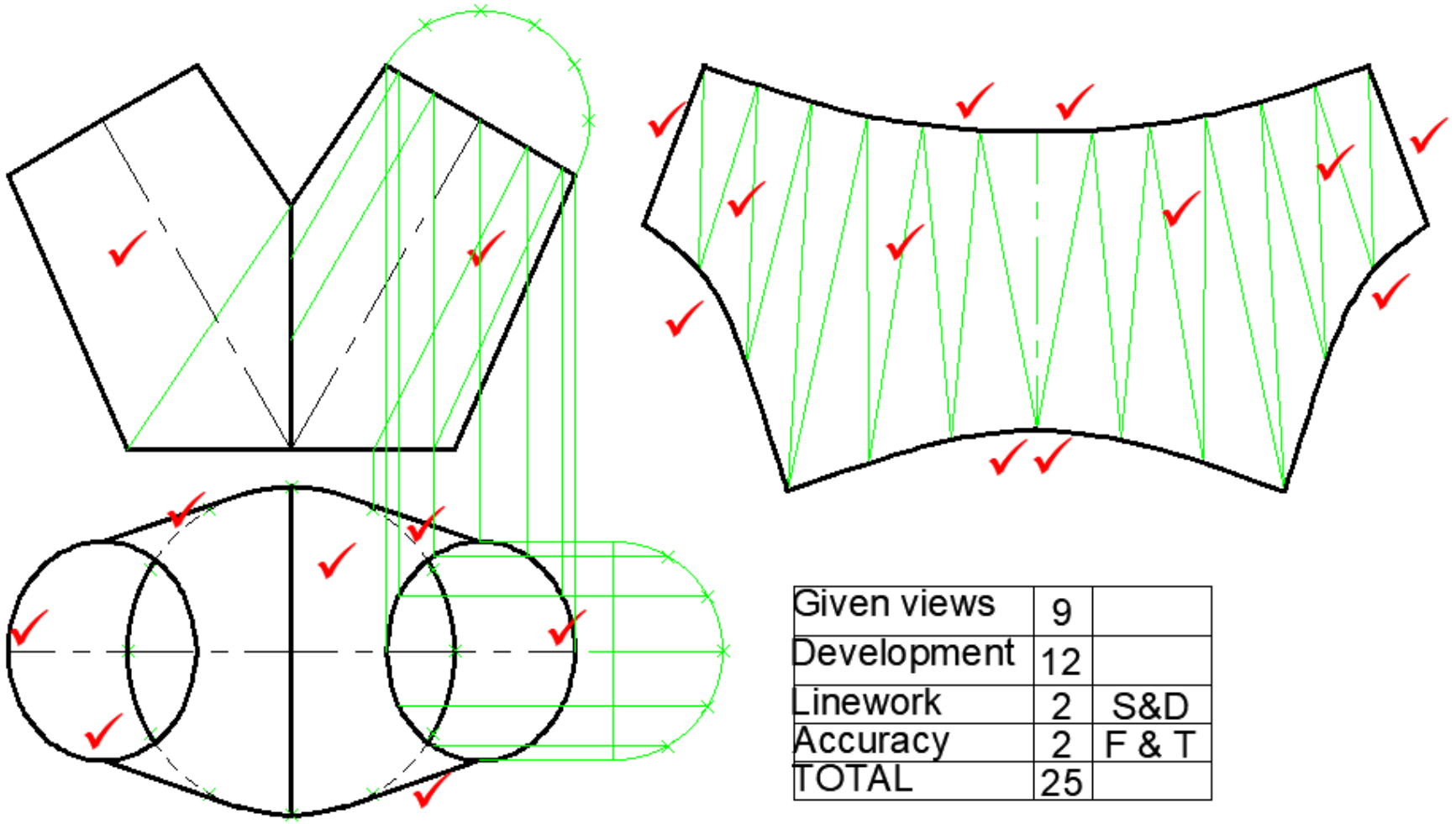
VRAAG 1



Given views	2	F & T
Calculations	12	
Development	8	
Linework	1	S & C
Accuracy	2	F & T
TOTAL	25	

FIGUUR 1

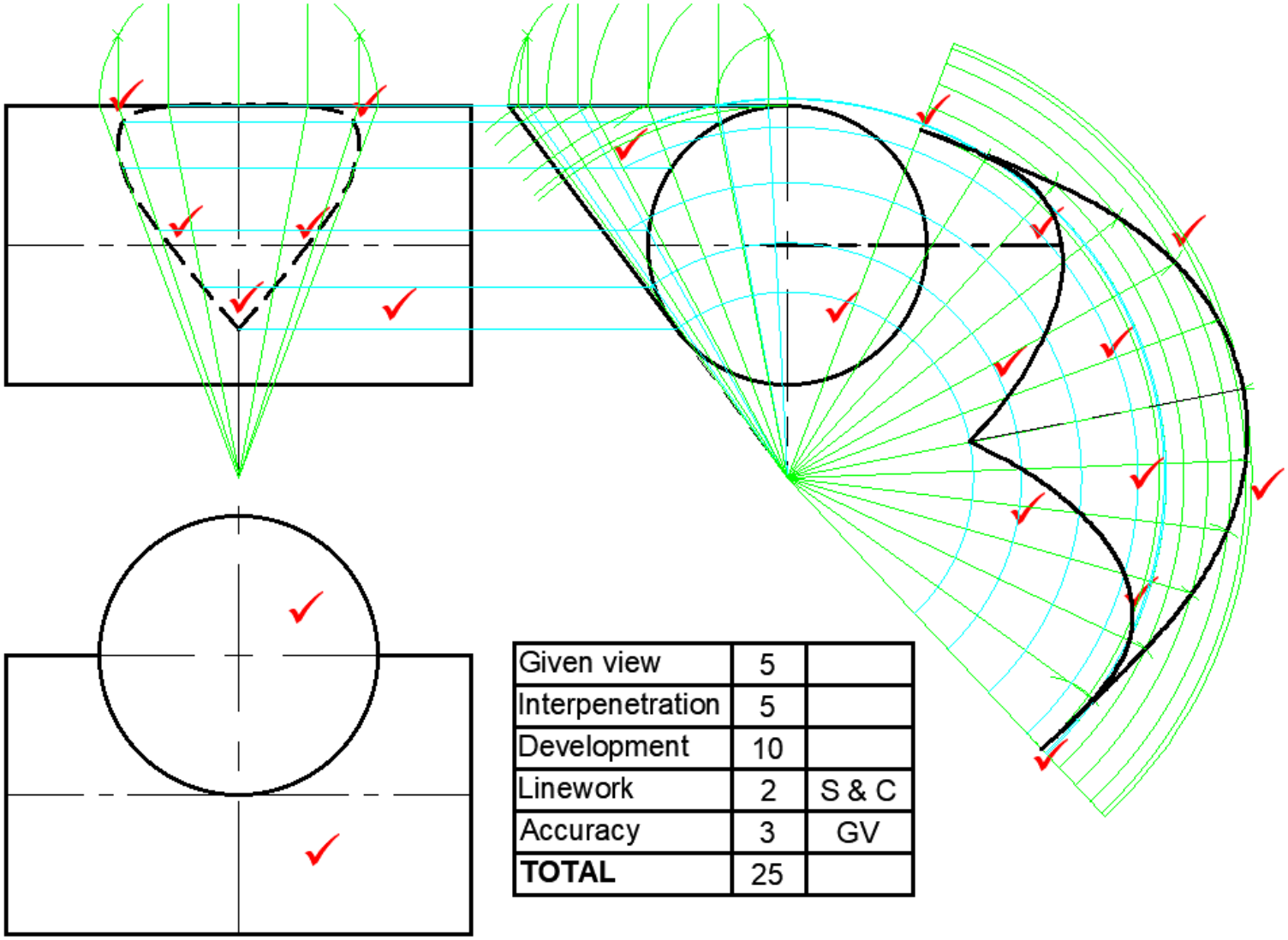
VRAAG 2



Given views	9	
Development	12	
Linework	2	S&D
Accuracy	2	F & T
TOTAL	25	

Kopiereg voorbehou

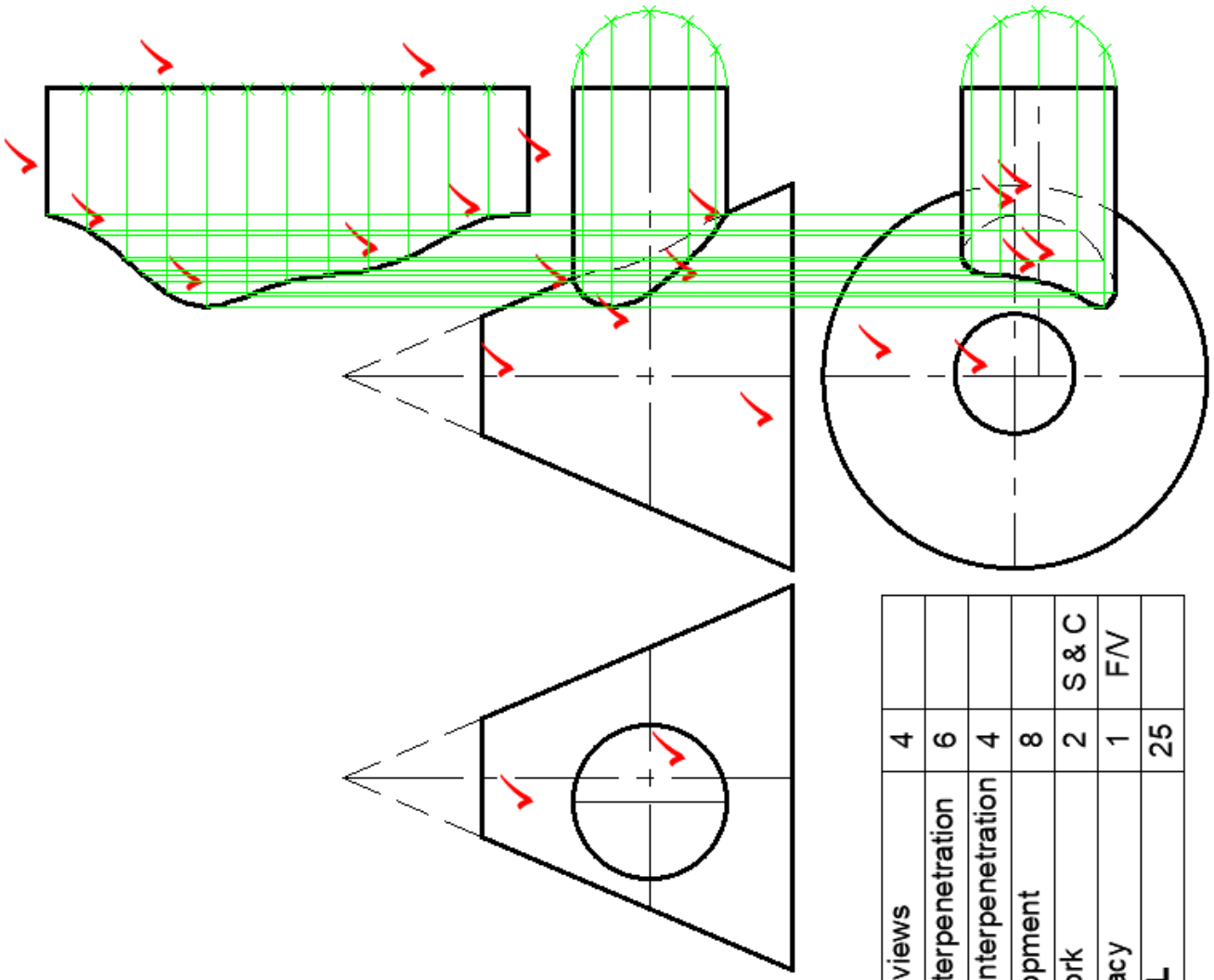
VRAAG 3



Given view	5	
Interpenetration	5	
Development	10	
Linework	2	S & C
Accuracy	3	GV
TOTAL	25	

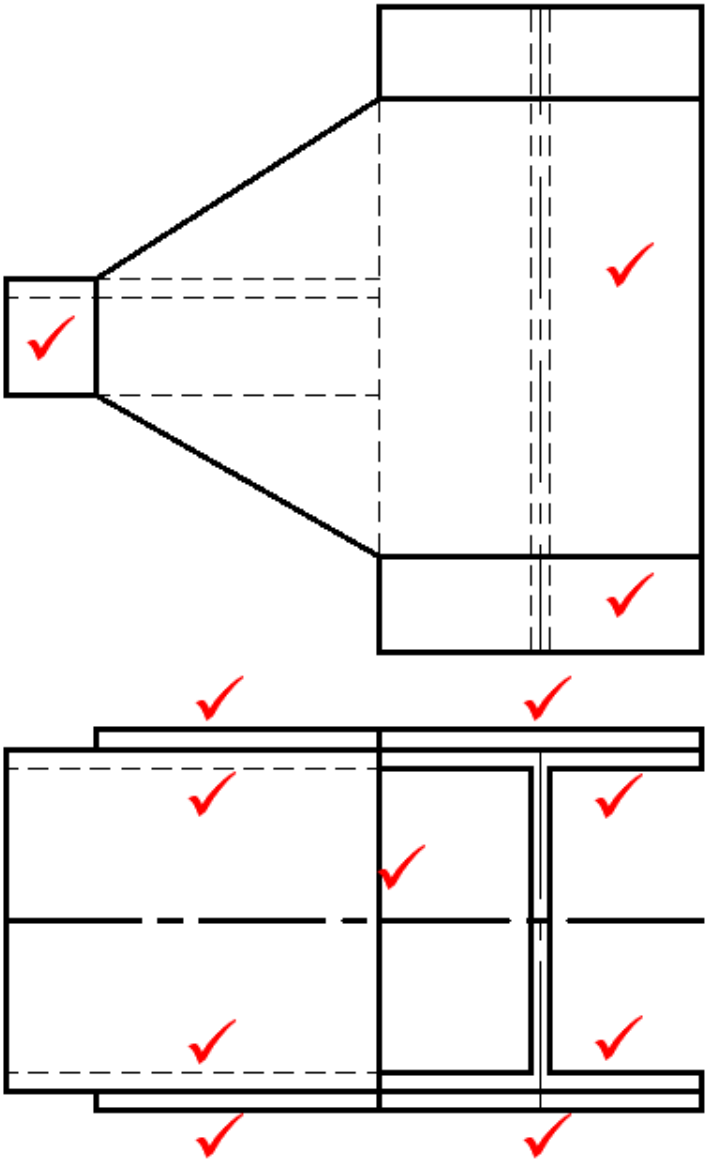
Kopiereg voorbehou
Blaai om asseblief

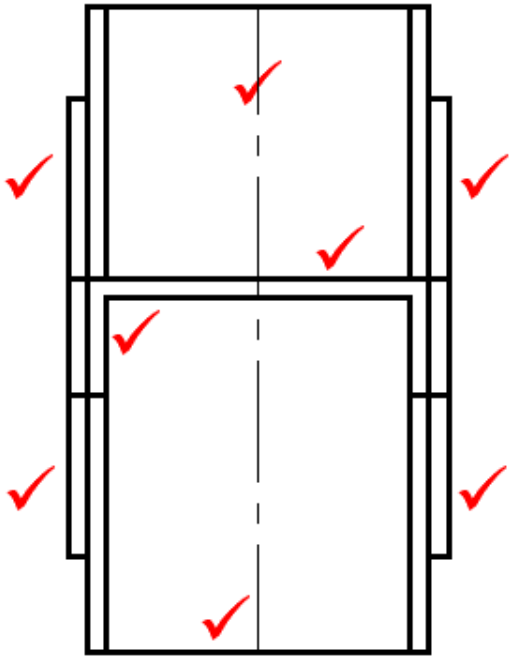
VRAAG 4



Given views	4		
Top interpenetration	6		
Cone interpenetration	4		
Development	8		
Linework	2	S & C	
Accuracy	1	F/V	
TOTAL	25		

VRAAG 5





Front view	3	
Top view	9	
Left view	8	
Linework	3	S,C&D
A/C	2	F/V
TOTAL	25	

TOTAAL: 100

Kopiereg voorbehou