

ENGINEERING GRAPHICS AND DESIGN

INGENIEURSGRAFIKA EN ONTWERP

PAPER 1

VRAESTEL 1

MEMORANDUM

GR 12

JUN 2009

VRAESTEL 1 VRAAG 1
GR 12 JUNIE 2009

PAPER 1 QUESTION 1
GR 12 JUNE 2009

	ANSWERS	
1	Ms A. Botes	1
2	Merryhill Drive, Kenton-on-Sea	1
3	1237	1
4	Black/Grey	1
5	Red	1
6	Gulley	1
7	Ventilation Pipe	1
8	Inspection Eye	1
9	Sink	1
10	2410 m	2
11	SABS	2
	6 m ³	
12	Entrance	2
	Scale	
13	10581 m	2
14	13118 m	2
15	2,5 m	2
16	743,27 m ²	2
17	Northern	2
	TOTAL	25

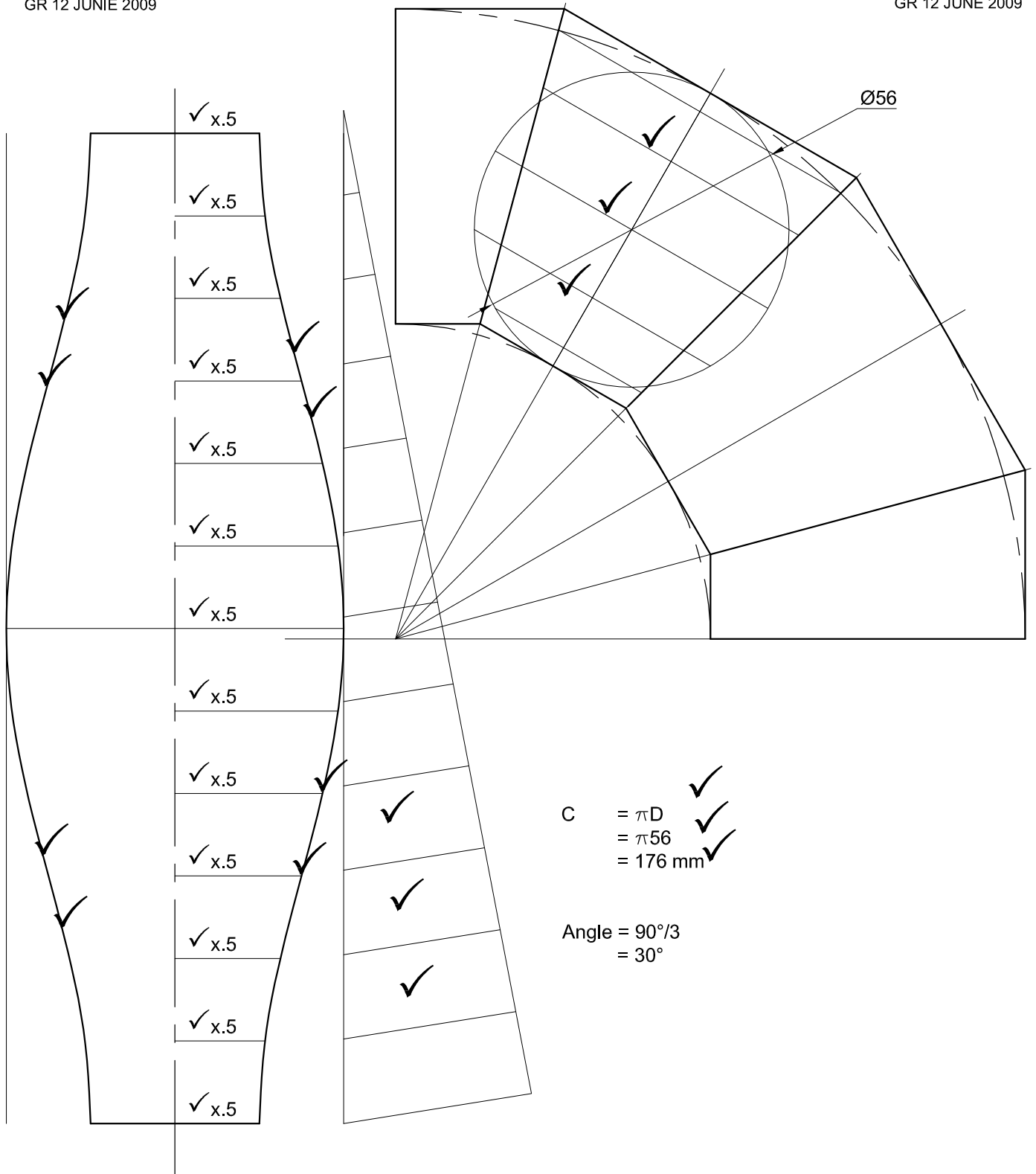
	ANTWOORDE	
1	Me. A. Botes	1
2	Merryhill-Laan, Kenton-on-Sea	1
3	1237	1
4	Swart/Grys	1
5	Rooi	1
6	Gulley / Riolput	1
7	Ventilasie Pyp	1
8	Inspeksie Oog	1
9	Sink	1
10	2410 m	2
11	SABS	2
	6 m ³	
12	Toegang	2
	Skaal	
13	10581 m	2
14	13118 m	2
15	2,5 m	2
16	743,27 m ²	2
17	Noord	2
	TOTAAL	25

MEMORANDUM

2

VRAESTEL 1 VRAAG 2
GR 12 JUNIE 2009

PAPER 1 QUESTION 2
GR 12 JUNIE 2009



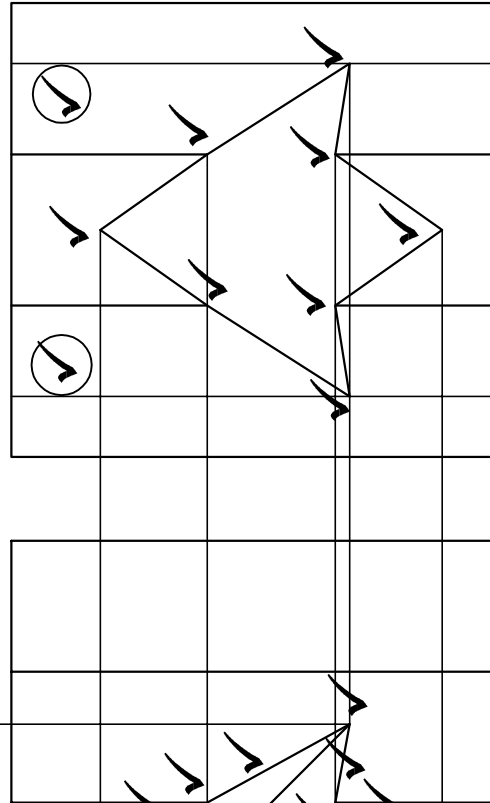
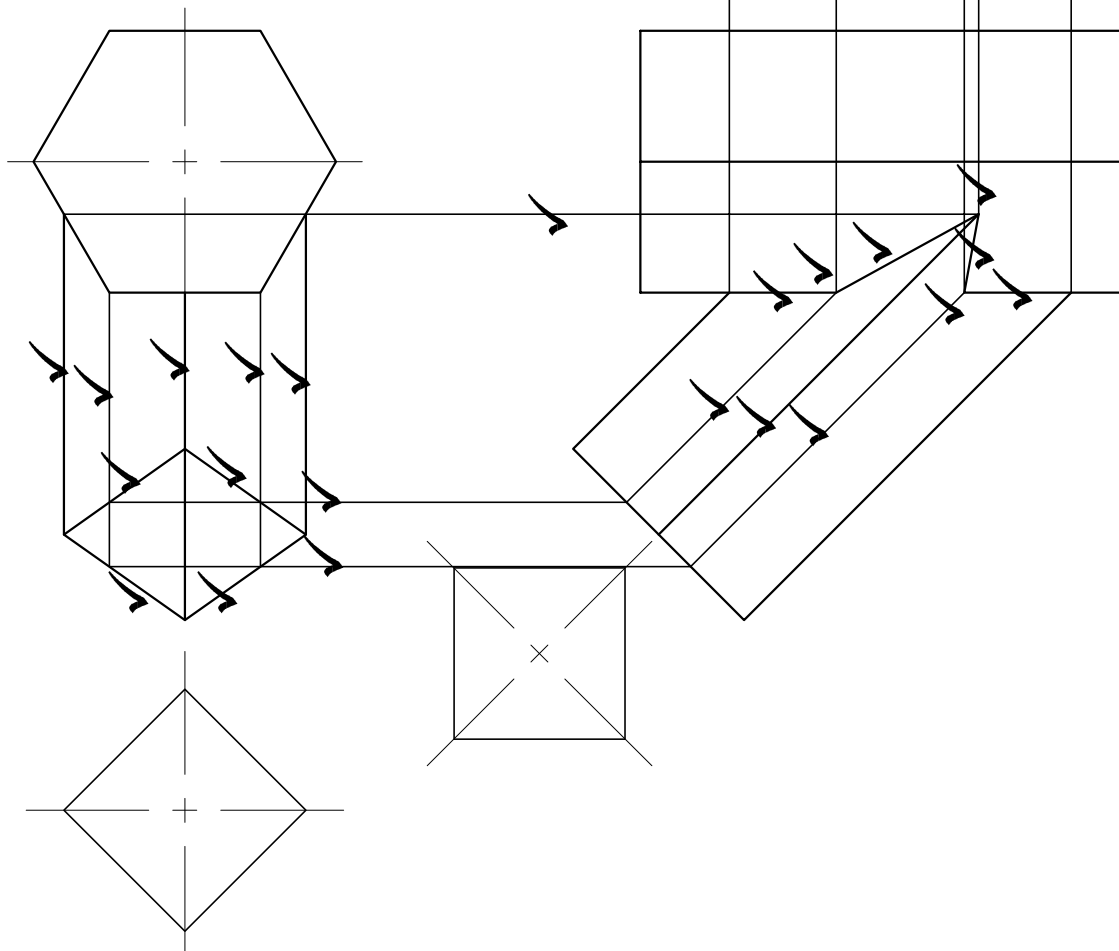
ASSESSMENT CRITERIA	
Division of circle	3
Calculate circumference	3
Divide circumference	3
Development	11
TOTAL	20

ASSESSERINGSKRITERIA	
Indeel van sirkel	3
Bereken omtrek	3
Verdeel omtrek	3
Ontwikkeling	11
TOTAAL	20

MEMORANDUM

PAPER 1 QUESTION 3
GR 12 JUNE 2009

VRAESTEL 1 VRAAG 3
GR 12 JULIE 2009



ASSESSERINGSKRITERIA	
Boaansig	11 x 1 1/2
Voorraansig	11 x 1 1/2
Ware vorm	(8 x 1) + (2 x 1/2)
TOTAAL	20
ASSESSMENT CRITERIA	
Top view	11 x 1 1/2
Front view	11 x 1 1/2
True shape	(8 x 1) + (2 x 1/2)
TOTAL	20

MEMORANDUM