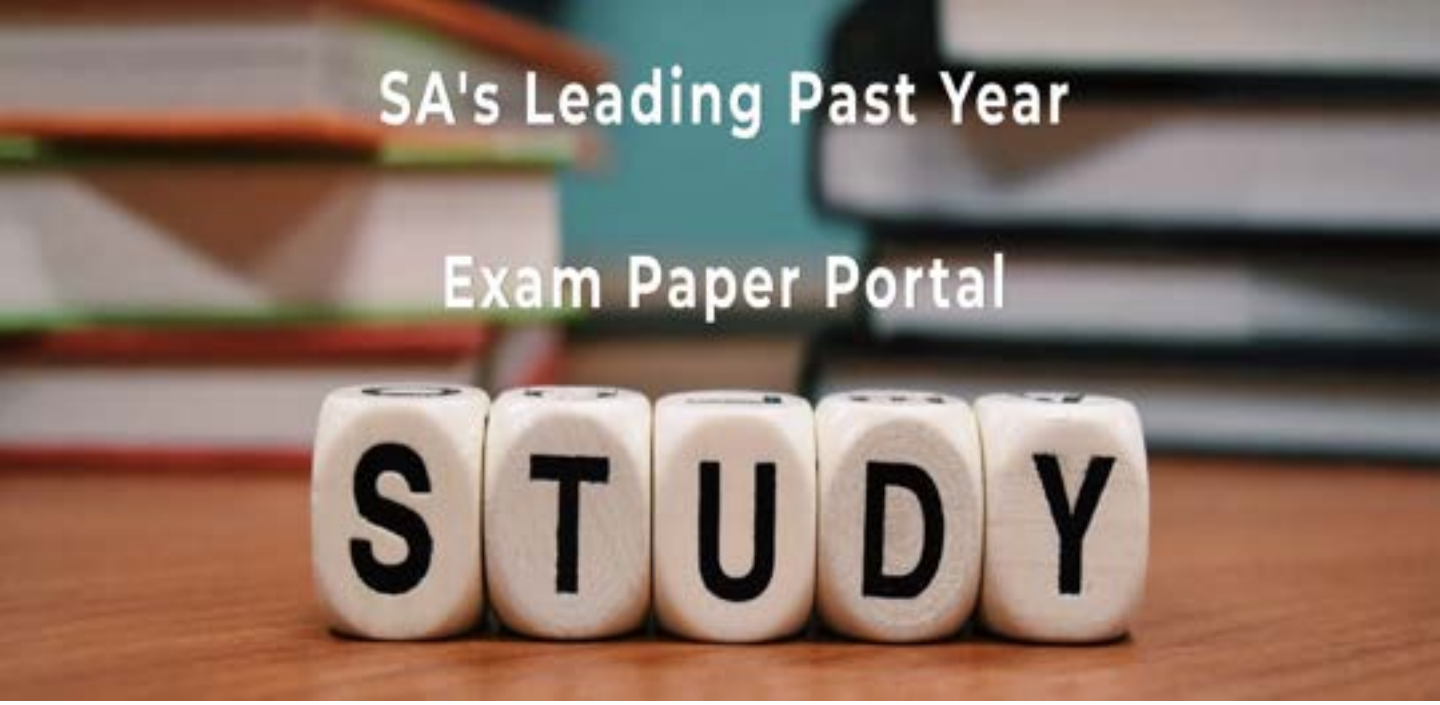

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SC/NSC Answer Book
SS/NSS-Antwoordeboek

Senior Certificate/Nasional Senior Certificate/*Senior Sertifikaat/Nasionale Senior Sertifikaat* (Grade 12/*Graad 12*) 2023

CENTRE NUMBER / *SENTRUMNOMMER*	
EXAMINATION NUMBER / *EKSAMENNOMMER*	
DATE / *DATUM*	
BOOK NUMBER / *BOEKNOMMER*	OF / *VAN* ___ BOOKS / *BOEKE*
SUBJECT CODE / *VAKKODE*	
PAPER NUMBER / *VRAESTELNOMMER*	2
SUBJECT NAME / *VAKNAAM*	MATHEMATICS/*WISKUNDE*

MARKER/*NASIENER*				MODERATOR'S INITIALS IN RELEVANT BLOCK / *MODERATOR SE VOORLETTERS IN RELEVANTE BLOKKIE*																
Question / *Vraag*	Marks / *Punte*			Marker's Code & Initials / *Nasiener se Kode & Voorletters*	Marks / *Punte*			SM	Marks / *Punte*			DCM / *AHN*	Marks / *Punte*			CM / *HN*	Marks / *Punte*			IM	Marks / *Punte*			EM
1																								
2																								
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8																								
9																								
10																								
				TOTAL / *TOTAAL*																				

CONTROLLED AND CERTIFIED CORRECT (SURNAME AND INITIALS OF EA) / *GEKONTROLEER EN AS KORREK GESERTIFISEER (VAN EN VOORLETTERS VAN EA)*		READ INSTRUCTIONS ON THE NEXT PAGE / *LEES INSTRUKSIES OP VOLGENDE BLADSY*

This answer book consists of 24 pages./*Hierdie antwoordeboek bestaan uit 24 bladsye.*

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PLEASE FOLLOW THESE INSTRUCTIONS CAREFULLY	*VOLG ASSEBLIEF HIERDIE INSTRUKSIES NOUKEURIG*
1. Clearly write your examination number and centre number in ace provided and attach your barco l el in the space provided.	1. *Skryf jou eksamennommer en sentrumnommer duidelik in die ruimtes verskaf en plak jou stafieskodeplakker in die ruimte verskaf.*
2. Remember that your own name (or the name of your school) may not appear anywhere on or in this answer book.	2. *Onthou dat jou eie naam (of die naam van jou skool) nie op of in hierdie antwoordeboek mag voorkom nie.*
3. Answer ALL questions in the spaces provided.	3. *Beantwoord ALLE vrae in die ruimtes wat voorsien is.*
4. No pages may be torn from this answer book.	4. *Geen bladsye mag uit hierdie antwoordeboek geskeur word nie.*
5. Read the instructions printed on your timetable carefully as well as any other instructions which may be given in each examination paper.	5. *Lees die instruksies wat op jou eksamenrooster gedruk is, sorgvuldig deur, asook enige ander instruksies wat op elke eksamenvraestel gegee word.*
6. Candidates may not retain an answer book or remove it from the examination room.	6. *Geen antwoordeboek mag deur die kandidaat behou of uit die eksamenlokaal verwyder word nie.*
7. Answers must be written in black/blue ink as distinctly as possible. Do not write in the margins.	7. *Skryf die antwoorde so duidelik moontlik met swart/blou ink. Laat die kantlyne oop.*
8. Write the numbers of the questions you have answered on the front cover of the answer book where marks are to be recorded.	8. *Skryf die nommers van die vrae wat jy beantwoord het op die voorblad van die antwoordeboek waar die punte aangebring word.*
9. If you require additional space for your answers: 9.1 Use the additional space provided at the end of the answer book. 9.2 When answering a question in the additional space, indicate clearly the question number in the column on the LHS. 9.3 Rule off after each answer.	9. *In geval jy bykomende ruimte benodig vir jou antwoorde:* *9.1 Gebruik die bykomende ruimte wat aan die einde van die antwoordeboek voorsien word.* *9.2 As 'n vraag in die bykomende ruimte beantwoord word, dui duidelik die vraagnommer in die kolom aan die LK aan.* *9.3 Trek 'n lyn na elke antwoord.*
10. Draw a neat line through any work/rough work that must not be marked.	10. *Trek 'n netjiese lyn deur enige werk/rofwerk wat nie nagesien moet word nie.*

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QUESTION/*VRAAG* 1

1.1

Amount spent on advertising (in rands)/ *Bedrag aan advertensies spandeer (in rand)* (x)	21 300	23 700	24 800	30 540	24 100	40 680	22 400	35 250	29 110
Sales (in rands)/ *Verkope (in rand)* (y)	311 500	326 700	349 200	470 000	316 100	564 200	314 000	487 300	392 900

	Solution/*Oplossing*	**Marks *Punte***
1.1.1		(3)
1.1.2		(2)
1.1.3		(1)
1.1.4		(1)

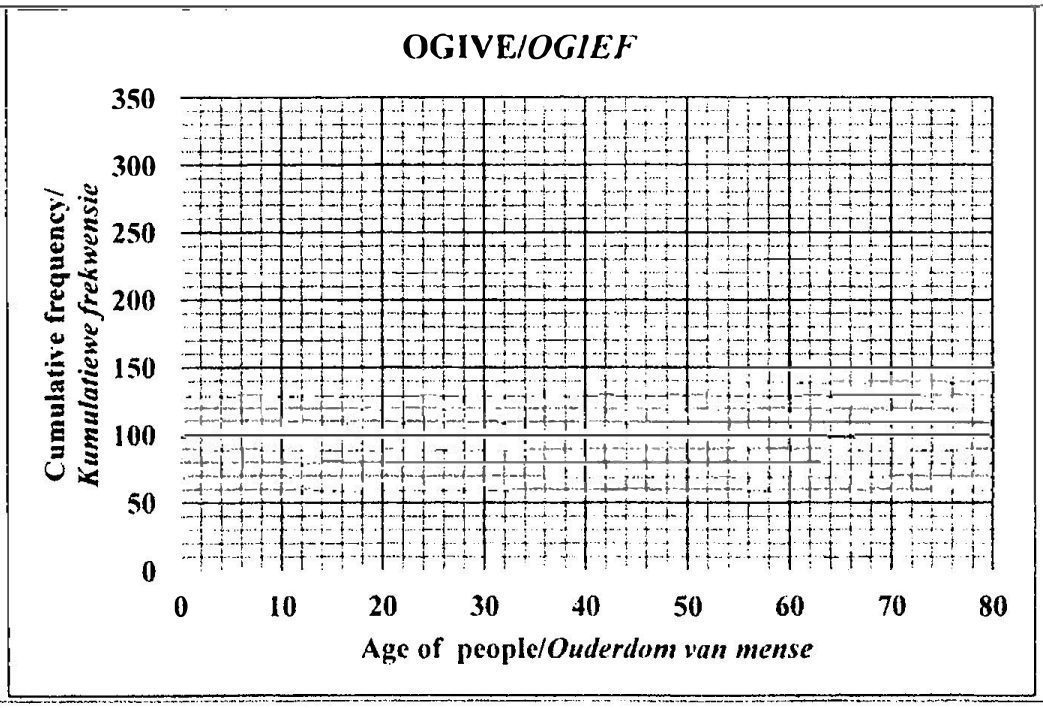
1.2

Profit (in rands)/ *Wins (in rand)*	110 750	376	152 338	244 480	144 021	275 994	121 900	207 636	187 700

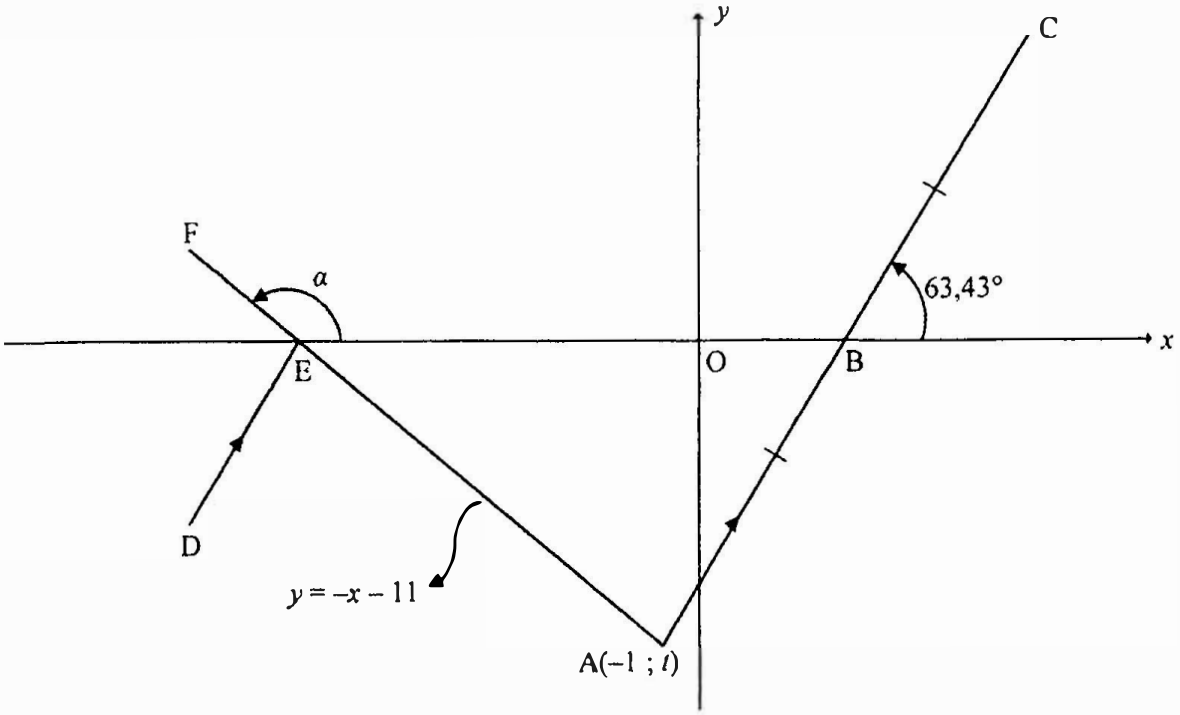
	Solution/*Oplossing*	**Marks *Punte***
1.2.1		(2)
1.2.2		(1)
1.2.3		(2)
		[12]

QUESTION/*VRAAG* 2

AGE/*OUDERDOM*	NUMBER OF PEOPLE/ *GETAL MENSE*
$5 < x \leq 15$	20
$15 < x \leq 25$	25
$25 < x \leq 35$	60
$35 < x \leq 45$	90
$45 < x \leq 55$	55
$55 < x \leq 65$	40
$65 < x \leq 75$	30

	Solution/*Oplossing*	Marks *Punte*
2.1		(1)
2.2		(1)
2.3		(4)
2.4		(2)
		[8]

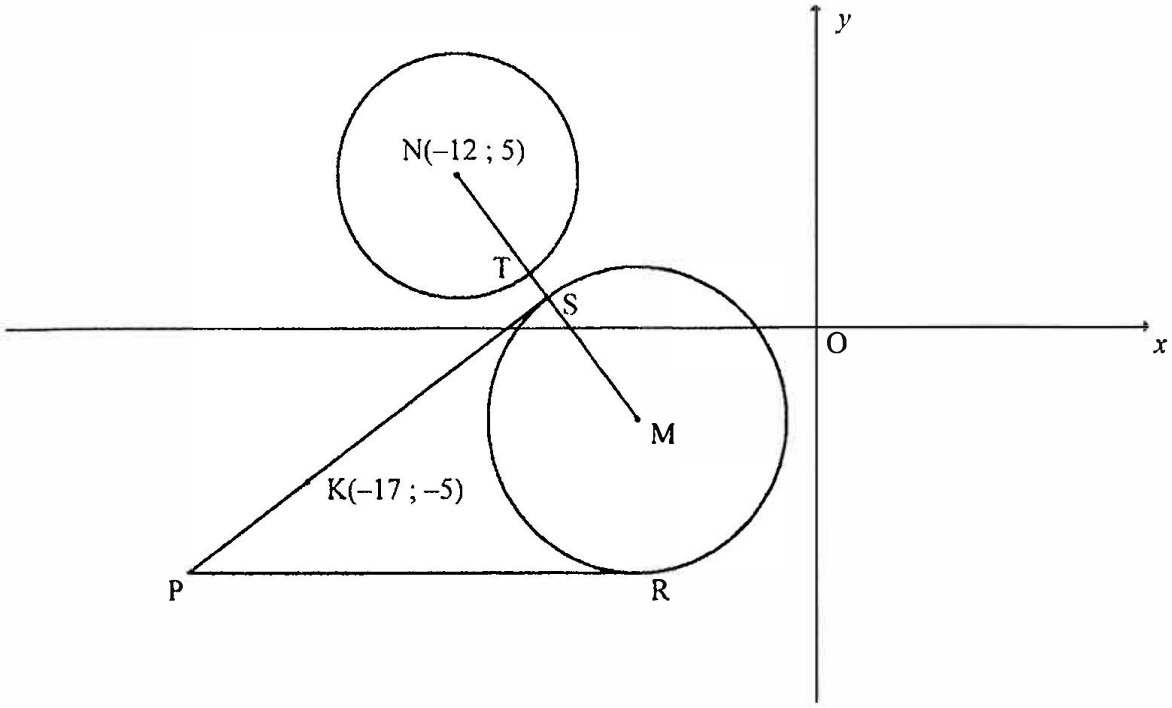
QUESTION/*VRAAG* 3



	Solution/*Oplossing*	**Marks** ***Punte***
3.1.1		(2)
3.1.2		(2)
3.1.3		(2)
3.2		(2)

	Solution/*Oplossing*	Marks *Punte*
3.3.1		(3)
3.3.2		(3)
3.4		(4)
		[18]

QUESTION/*VRAAG* 4

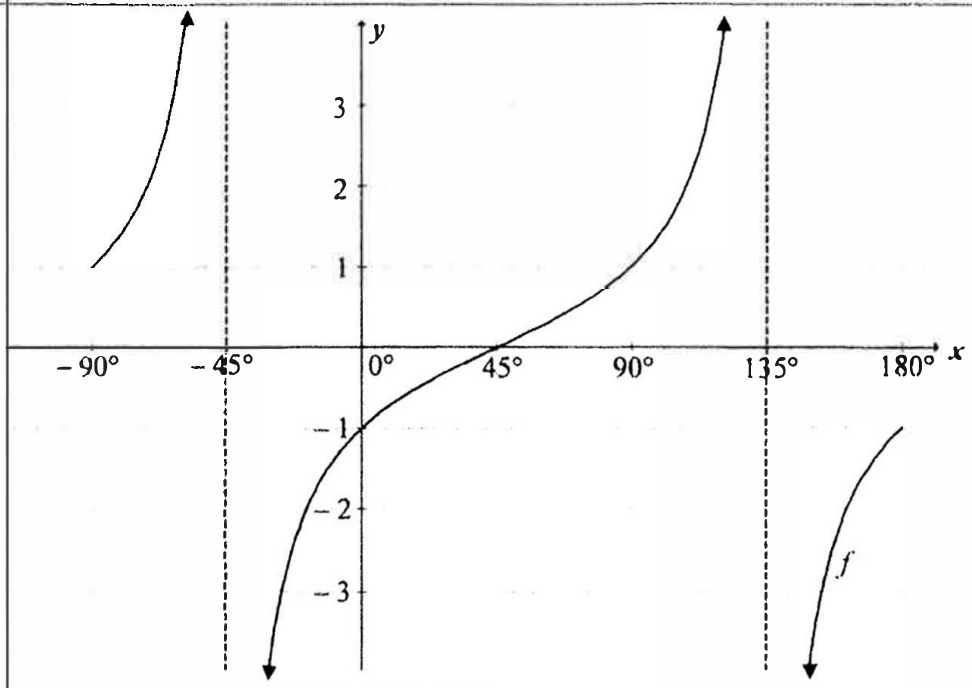


	Solution/*Oplossing*	**Marks** ***Punte***
4.1		(2)
4.2.1		(2)
4.2.2		(4)

	Solution/*Oplossing*	Marks *Punte*
4.3.1		(2)
4.3.2		(5)
4.4.1		(5)
4.4.2		(2)
		[22]

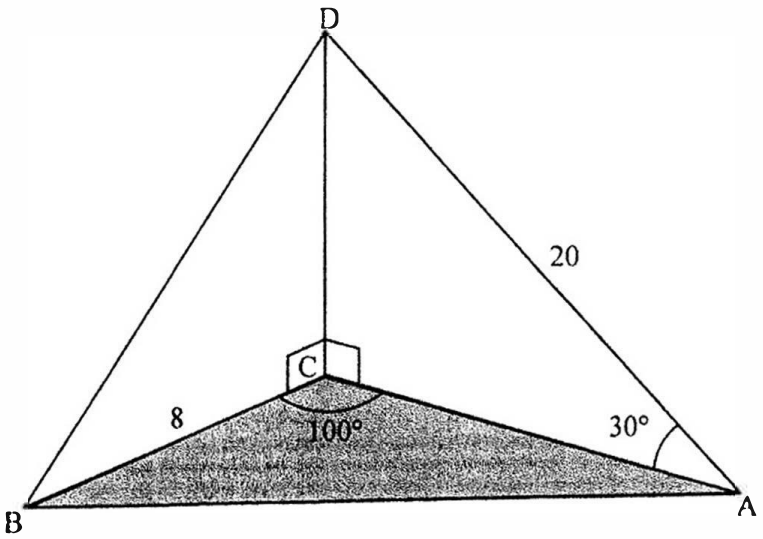
	Solution/*Oplossing*	Marks *Punte*
5.5.1		(4)
5.5.2		(3)
		[28]

QUESTION/*VRAAG* 6

	Solution/*Oplossing*	**Marks** ***Punte***
6.1		(1)
6.2		(3)
6.3		(1)
6.4		(2)
6.5.1		(2)

	Solution/*Oplossing*	Marks *Punte*
6.5.2		(4)
		[13]

QUESTION/*VRAAG* 7

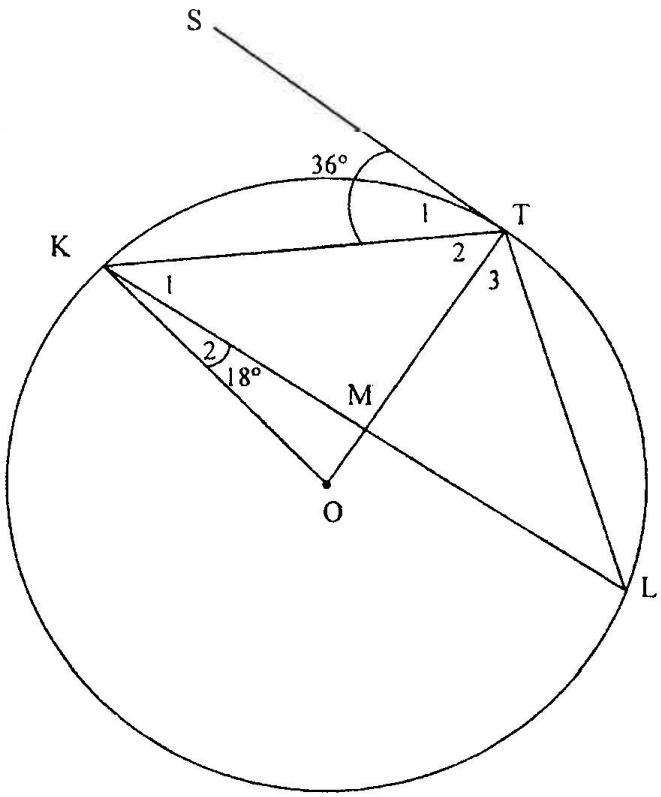


	Solution/*Oplossing*	**Marks** ***Punte***
7.1.1		(2)
7.1.2		(3)
7.2		(3)
		[8]

Give reasons for your statements in QUESTIONS 8, 9 and 10.
Gee redes vir jou bewerings in VRAAG 8, 9 en 10.

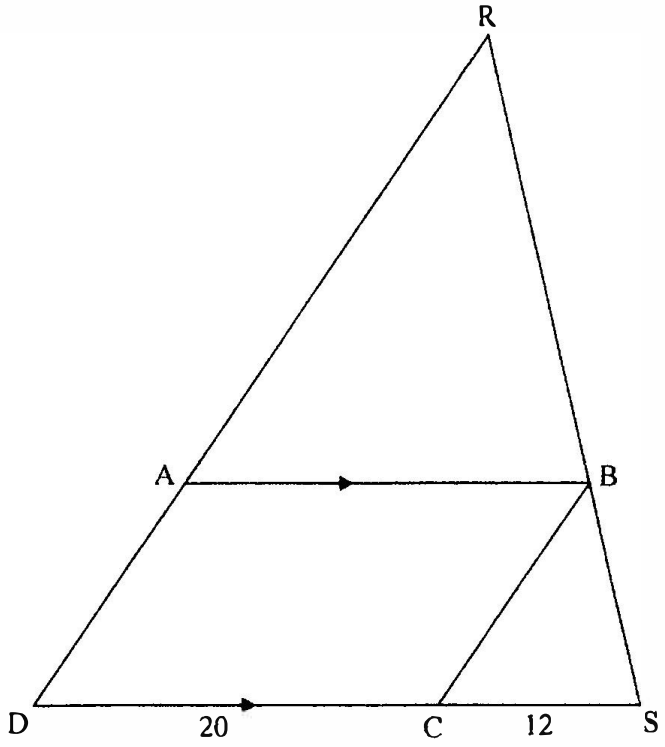
QUESTION/*VRAAG* 8

8.1



	Solution/*Oplossing*	**Marks** ***Punte***
8.1.1(a)		(2)
8.1.1(b)		(2)
8.1.1(c)		(2)
8.1.2		(3)

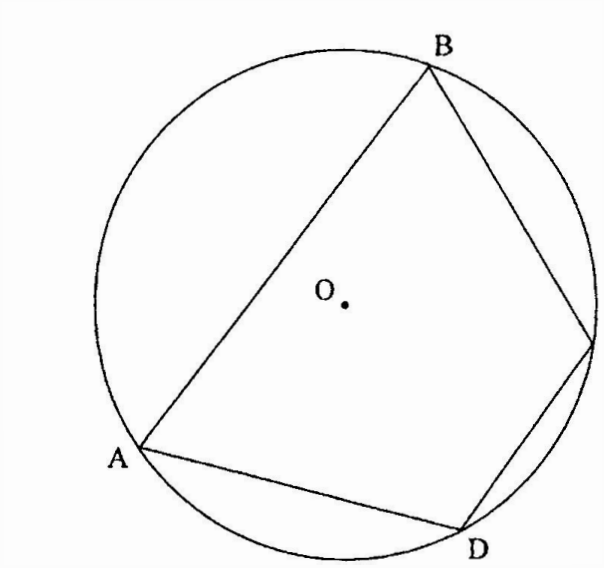
8.2



	Solution/*Oplossing*	Marks *Punte*
8.2.1		(3)
8.2.2		(3)
		[15]

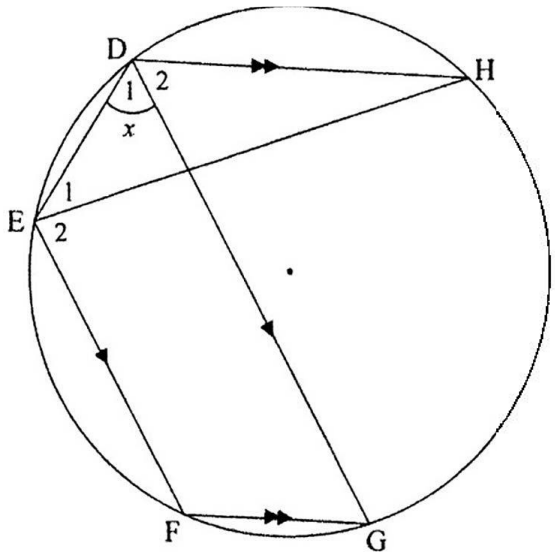
QUESTION/*VRAAG* 9

9.1



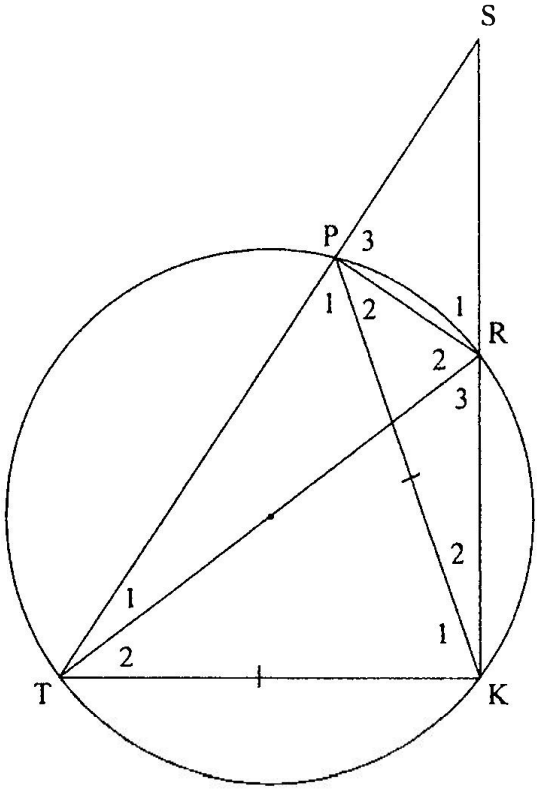
	Solution/*Oplossing*	**Marks** ***Punte***
		(5)

9.2



	Solution/*Oplossing*	Marks *Punte*
		(4)
		[9]

QUESTION/*VRAAG* 10



	Solution/*Oplossing*	Marks *Punte*
10.1.1		(4)
10.1.2		(5)

	Solution/*Oplossing*	Marks *Punte*
10.1.3		(3)
10.2		(5)
		[17]

	Additional space/*Bykomende ruimte*	Marks *Punte*

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	Additional space/*Bykomende ruimte*	Marks *Punte*

	Additional space/*Bykomende ruimte*	Marks *Punte*

TOTAL/*TOTAAL*: 150

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RE-MARK/RE-CHECK *HERMERK/HERSIEN*				
Question *Vraag*	Marks *Punte*			Initials *Voorletters*
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
TOTAL *TOTAAL*				
HASH TOTAL *KAF-TOTAAL*				

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