

Candidate Barcode label/Stafieskodeplakker

SC/NSC Answer Book SS/NSS Antwoordeboek

Senior C	Certificate/	National Senior C	ertificate/S	Senior Se	rtifikaat/N	asionale i	Senior Ser	tifikaat (Grade 12/0	Graad 12,)	1
CENTRE NUM SENTRUMNOM												_)
EXAMINATION EKSAMENNOM												
DATE DATUM							BOOK NO			OF VAN		OKS EKE
SUBJECT COD VAKKODE	E						PAPER N VRAESTI	UMBER ELNOMMI	ER	2		
SUBJECT NAM VAKNAAM	IE	MATI	HEMA'	TICS	WISK	UNDE	Ξ					
M	ARKER/NAS	SIENER			MOD <i>MODERA</i>	ERATOR': TOR SE VO	S INITIALS I DORLETTER	IN RELEV S IN RELE	ANT BLOCE	K OKKIE		
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												
3												
4												
5												
6												
7												
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.

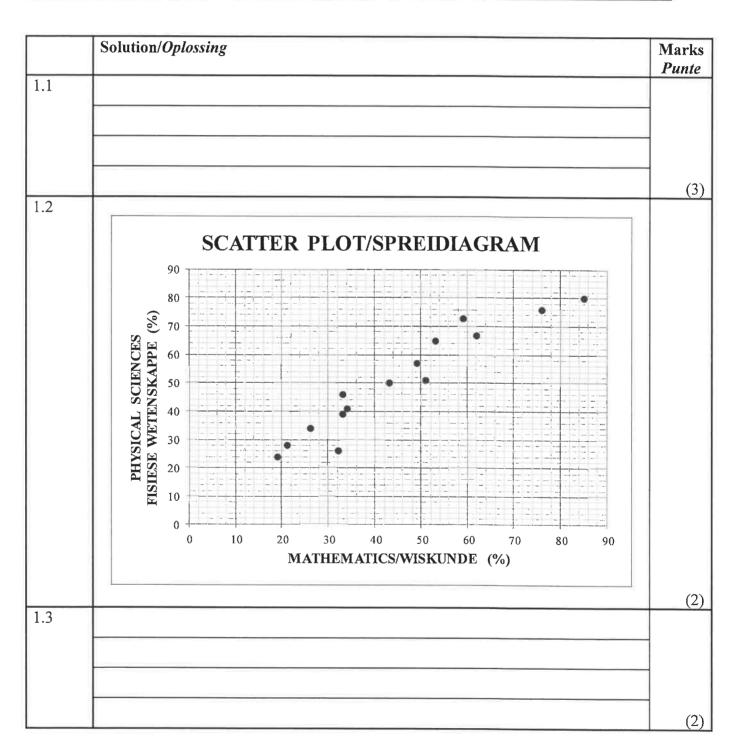
This answer book consists of 24 pages./Hierdie antwoordeboek bestaan uit 24 bladsye.

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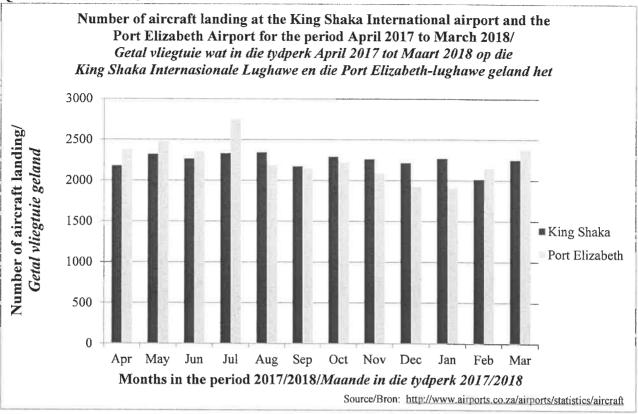
Please turn over/Blaai om asseblief

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

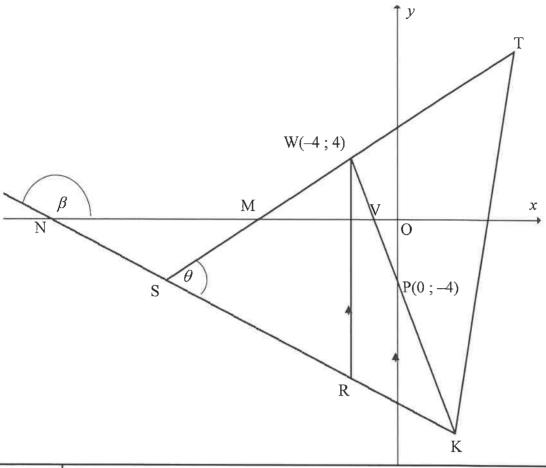
Mathematics Wiskunde (as %)	26	62	21	33	53	76	32	59	43	33	49	51	19	34	85
Physical Sciences Fisiese Wetenskappe (as %)	34	67	28	46	65	76	26	73	50	39	57	51	24	41	80



	Solution/Oplossing	Marks Punte
1.4		
		(1)
1.5		
		(1)
1.6		
		(1)
		[10]

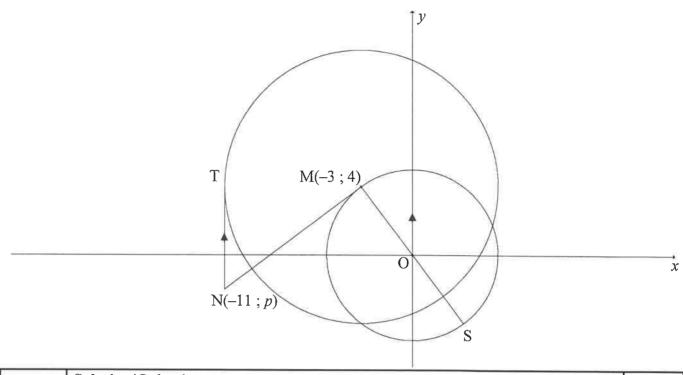


	Solution/Oplossing	Marks Punte
2.1		
		(1)
2.2		
		(2)
2.3		
		(2)
2.4		
		(3)
2.5		
		(1)
		[9]



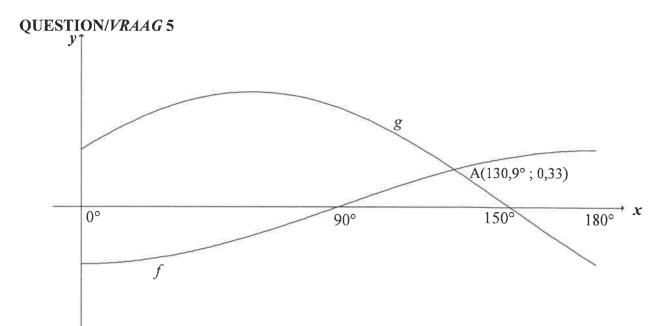
	Solution/Oplossing	Marks <i>Punte</i>
3.1		
		(2)
3.2		
2.2		(2)
3.3		
		(4)

	Solution/Oplossing	Marks Punte
3.4		Tunte
3.5		(4)
		(5)
3.6		(4)
		[21]

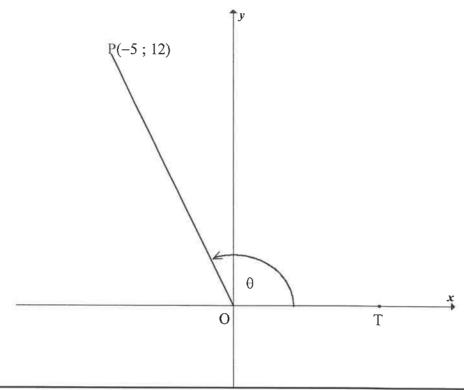


	Solution/Oplossing	Marks <i>Punte</i>
4.1		1 101110
1.0		(2)
4.2		
		(3)
4.3		
		(4)

	Solution/Oplossing	Marks <i>Punte</i>
4.4		runte
		(5)
4.5		
		(5) [19]



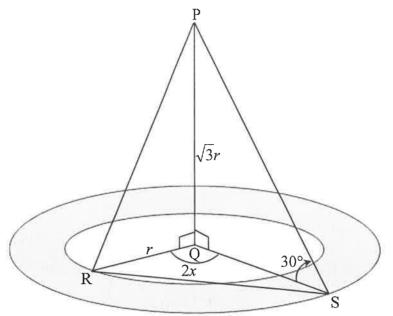
	Solution/Oplossing	Marks <i>Punte</i>
5.1		
		(1)
5.2		(1)
5.3		(1)
		(1)
5.4.1		
		(1)
5.4.2		
		(4)
		[8]



	Solution/Oplossing	Marks Punte
6.1.1		
		(1)
6.1.2		
		(3)
6.1.3		
		(4)

()	
6.2	
	(5)
6.3	
	(6)

6.4	
	(5)
	(5)
	[24]



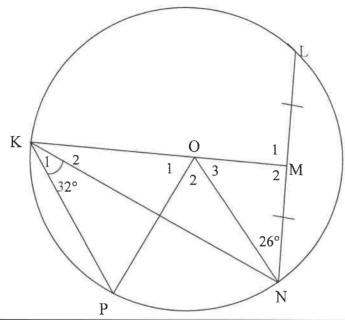
	Solution/Oplossing	Marks Punte
7.1		1 00000
7.0		(3)
7.2		
7.0		(2)
7.3		
		_
		-
		-
		-
		-
		1
		(3)

7.4	
1	
	(0)
	(2)
	[10]

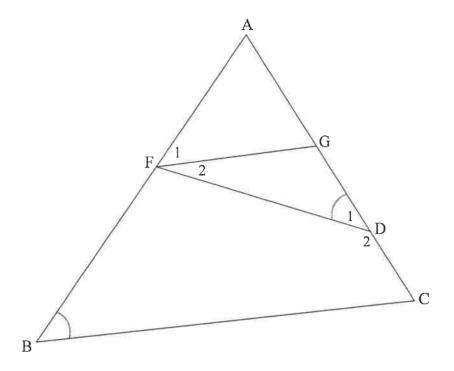
Give reasons for your statements in QUESTIONS 8, 9 and 10. Verskaf redes vir jou bewerings in VRAAG 8, 9 en 10.

QUESTION/VRAAG8

8.1

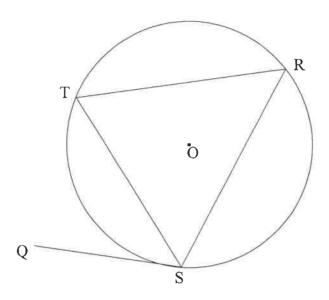


	Solution/Oplossing	Marks Punte
8.1.1(a)		
		(2)
8.1.1(b)		
		(4)
8.1.2		
		(3)

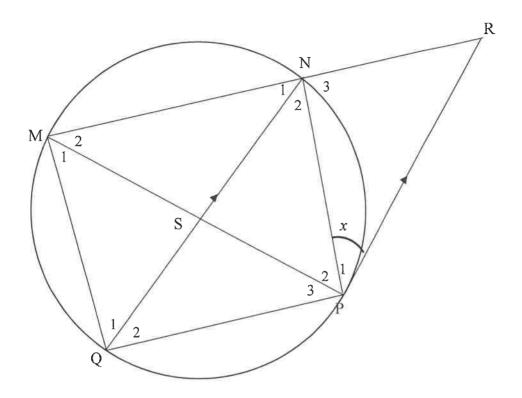


	Solution/Oplossing	Marks Punte
8.2.1		
		(4)
8.2.2		
		(4)
		[17]

9.1

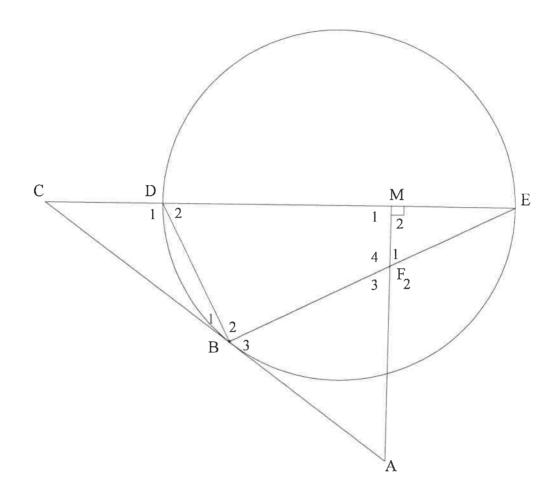


	Solution/Oplossing	Marks
0.4		Punte
9.1		
,		
		(5)



	Solution/Oplossing	Marks Punte
9.2.1(a)		
		(2)
9.2.1(b)		
		(2)
9.2.2		

	Solution/Oplossing	Marks Punte
9.2.2 (contd)		
		(6)
		[15]



	Solution/Oplossing	Marks Punte
10.1.1		2 11100
		(3)
10.1.2		
		(4'

	Solution/Oplossing	Marks Punte
10.1.3		
10.2.1		(3)
		(3)
10.2.2		
		(4) [17]
		[[* ']

Additional space/Bykomende ruimte	Marks
	Punte
	:
	:

	Additional space/Bykomende ruimte	Marks
		Punte
,		

TOTAL/TOTAAL:

	RE-MARK/RE-CHECK HERMERK/HERSIEN	
Question Vraag	Marks <i>Punt</i> e	Initials Voorletters
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
TOTAL TOTAAL		
HASH TOTAL KAF- TOTAAL		