

Candidate Barcode label/Stafieskodeplakker

NSC Answer Book NSS-antwoordeboek

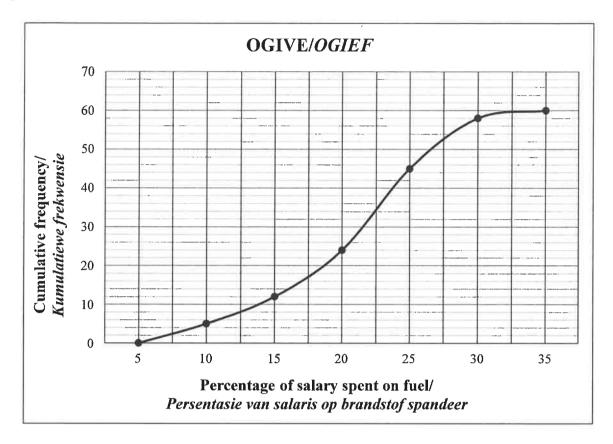
(NSS-	antwoordeboe	k	J	i							
	Nati	onal Senior Certi	ficate/ <i>Nasi</i>	onale Se	nior Sertifi	kaat (Gr	ade 12/ <i>Gra</i>	ad 12) —	November	2022		
CENTRE NUM SENTRUMNOM												
EXAMINATIO EKSAMENNON												
DATE DATUM							BOOK N BOEKNO			OF VAN		OOKS OEKE
SUBJECT COD VAKKODE	DE						PAPER N VRAEST	NUMBER ELNOMME	ER	2		
SUBJECT NAM <i>VAKNAAM</i>	ИЕ	MATI	HEMA'	TICS	/WISK	UNDI	E					
M	ARKER/NAS	IENER		. 17					ANT BLOCK		PH IN	
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 (SURNAME AN GEKONTROLEE GESERTIFISEE VAN EA)	D INITIALS OF ER EN AS KO	RREK									ON THE NEXT	

This answer book consists of 23 pages./Hierdie antwoordeboek bestaan uit 23 bladsye.

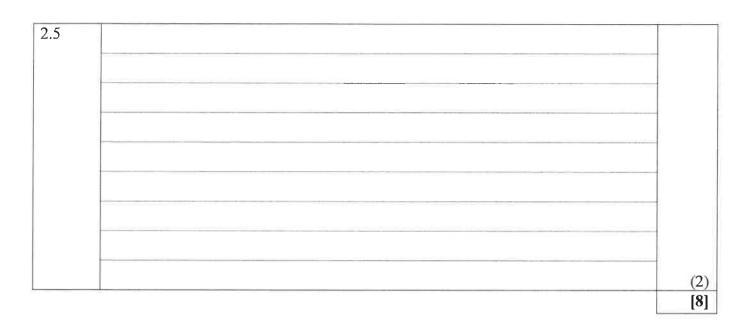
PI	EASE FOLLOW THESE INSTRUCTIONS CAREFULLY	VOLG ASSEBLIEF HIERDIE INSTRUKSIES NOUKEURIG
1.	Clearly write your examination number and centre number in the space provided and attach your barcode label in the space provided.	Skryf jou eksamennommer en sentrumnommer duidelik in die ruimtes verskaf en plak 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. 	 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.

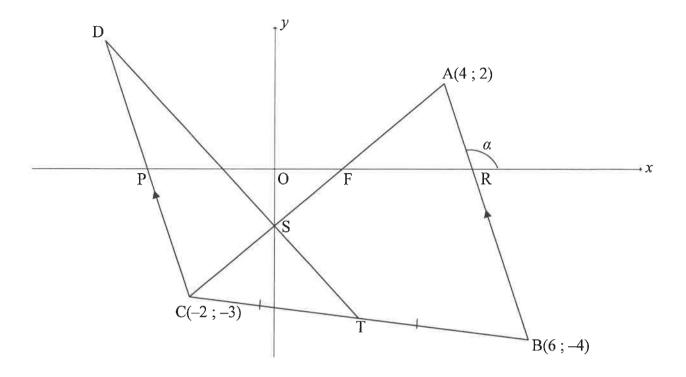
Popularity score (x)/ Gewildheidspunt (x)	32	89	35	82	50	59	81	40	79	65
Number of votes (y)/ Getal stemme (y)	9	22	10	21	11	15	20	12	19	16

	Solution/Oplossing	Marks Punte
1.1.1		
		(2)
1.1.2		
		(1)
1.2		
		(2)
1.3		
		(3)
1.4		
		(2)
1.5.1		
		(1)
1.5.2		
		(1)
		[12]



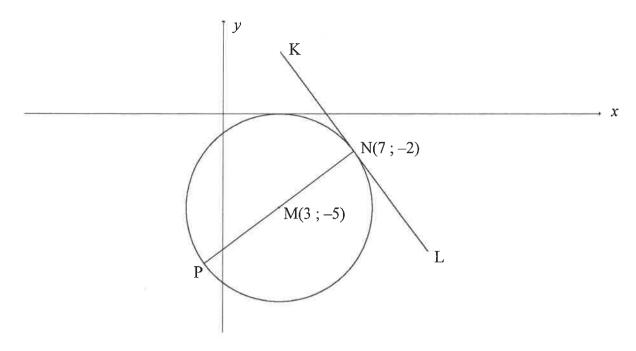
	Solution/Oplossing	Marks Punte
2.1		
2.2		(1)
		(1)
2.3		
		(2)
2.4		
		(2)





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

	Solution/Oplossing	Marks Punte
3.1.4		
2.0		(2)
3.2		
3.3.1		(3)
3.3.1		
		(4)
3.3.2		
		(5) [20]
		[20]



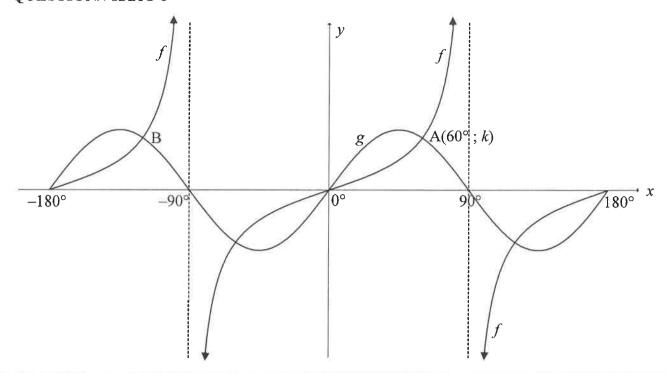
	Solution/Oplossing	Marks Punte
4.1		
		(2)
4.2.1		(2)
4.2.2		(3)
4.2.2		
		(5)

	Solution/Oplossing	Marks <i>Punte</i>
4.3		
		r common
		annanae
		(4)
4.4.1		
		-
		-
4.4.2		(2)
7.7.2		
		-
		-
		(4) [20]
		[20]

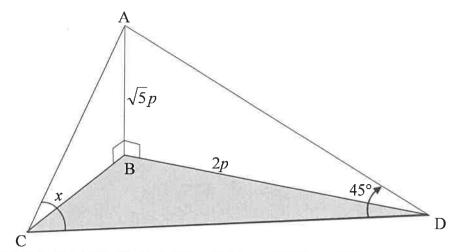
	Solution/Oplossing	Marks Punte
5.1.1		
		(2)
5.1.2		
		-
5.1.2		(3)
5.1.3		
		-
5.2		(2)
3.2		
		(5)

	Solution/Oplossing	Marks <i>Punte</i>
5.3		
5.4.1		(6)
J. 1.1		
		(4)
5.4.2		
		(3)

	Solution/Oplossing	Marks Punte
5.5.1		
		(4)
5.5.2		(1)
		(1)
		[30]



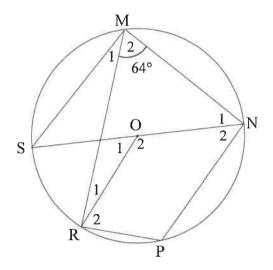
	Solution/Oplossing	Marks Punte
6.1		2
6.2.1		(1)
6.2.1		
6.2.2		(1)
		(1)
6.3		
		(2)
6.4		
		(2)
6.5		(2)
		(3)
		[10]



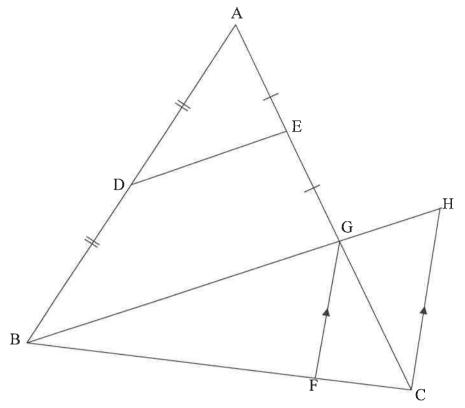
	Solution/Oplossing	Marks Punte
7.1		
7.2		(2)
7.2		
		_
		
		. (5)
7.3		. (3)
		(3)
		[10]

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

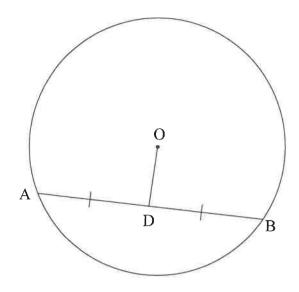
QUESTION/VRAAG8



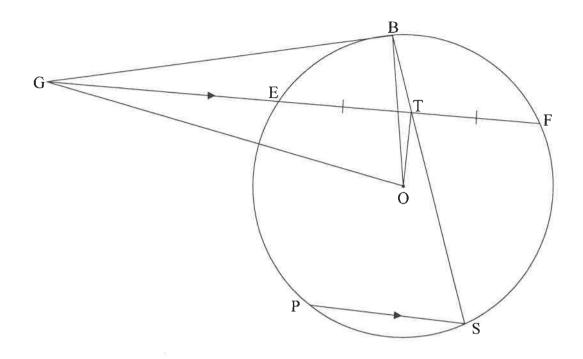
	Solution/Oplossing	Marks Punte
8.1.1		
2.1.2		(2)
8.1.2		
8.1.3		(2)
		(2)



	Solution/Oplossing	Marks Punte
8.2.1		
		(1)
8.2.2		
		(6)
		[13]

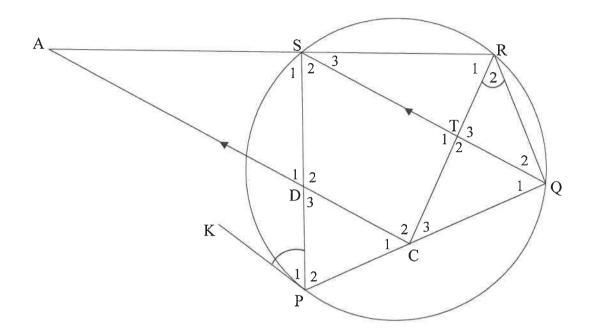


	Solution/Oplossing	Marks
		Punte
9.1		
1		
		(5)
		(3)



	Solution/Oplossing	Marks Punte
9.2.1		
		(5)

	Solution/Oplossing	Marks Punte
9.2.2		
		(4)
		(4) [14]



	Solution/Oplossing	Marks Punte
10.1		
		. (4)

	Solution/Oplossing	Marks Punte
10.2		
		-
40.0		(5)
10.3		
		(4) [13]
		(4)

Additional space/Bykomende ruimte	Marks <i>Punte</i>

Additional space/Bykomende ruimte	- 10-0	Marks <i>Punte</i>
		_
		731
	-11-5-1	

TOTAL/TOTAAL:

150

	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 <i>KAF-</i>		
HASH TOTAL		