

Candidate Barcode label/Stafieskodeplakker

NSC Answer Book NSS-antwoordeboek

EXAMINATION NUMBER EXECUTION SUBJECT CODE VARKODE MATHEMATICS/WISKUNDE MATHEMATICS/WISKUNDE MARKERINASIENER MATHEMATICS/WISKUNDE MARKERINASIENER MARKERINASIENER Marker Code & Moderators initials in relevant block Moderators se voorieters in relevant block Marks Punte AHN Punte 1 2 3 4 5 6 7 8 9 10	_	_
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7 8 9 9		
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TOTAL TOTAAL		

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 soos verskaf en plak jou stafieskodeplakker in die ruimte soos 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 	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
	LHS.9.3 Rule off after each answer.	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.

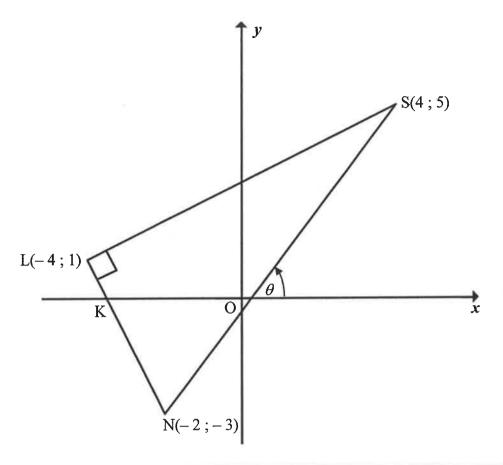
Distance travelled (in km)/ Afstand gery (in km) (x)	180	200	400	600	170	350	270	300
Amount of rest time (in minutes)/ Hoeveelheid rustyd (in minute) (y)	20	25	55	120	15	50	40	45

	Solution/Oplossing	Marks Punte
1.1		
		(3)
1.2		
1.3		(2)
1.5		
	b)	
		(1)
1.4		
		(1)

100	150	130	200	50	180	200	190
100	130	130	200	30	160	200	190

	Solution/Oplossing	Marks Punte
1.5.1		
		(2)
1.5.2	150	
		(1)
1.5.3		
		(2)
		[12]

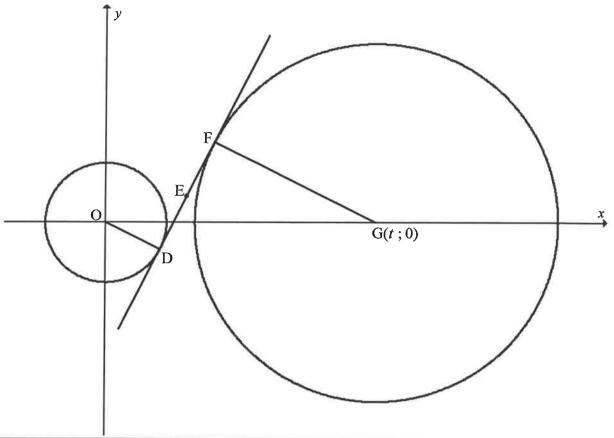
	Solution/Oplossing			Marks Punte
2.1	Number of glasses of water drank per day/ Aantal glase water per dag gedrink	Number of staff members/ Getal personeellede	Cumulative frequency/ Kumulatiewe frekwensie	
	0≤x<2	5		
	2 ≤ x < 4	15		
	4≤ <i>x</i> <6	13		
	6≤x<8	5		
	8 ≤ x < 10	2		(2
2.2				(2
				(1
2.3				
				(1
2.4				



	Solution/Oplossing	Marks Punte
3.1		
		(2)
3.2		
		(2)

	Solution/Oplossing	Marks Punte
3.3		1 with
	P	
		(2)
3.4		
		(3)
3.5		(5)
		(3)
3.6		(5)
		(40)
		(3)

	Solution/Oplossing	Marks Punte
3.7		
	·	
	E)	
		(3)
3.8		
	I	(2)



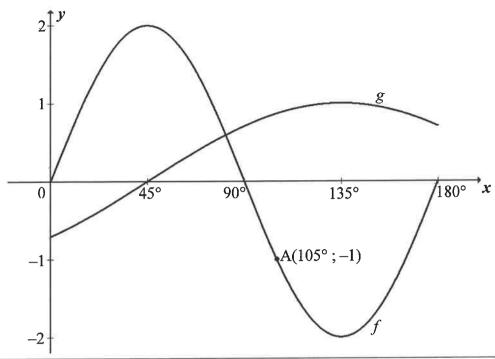
	Solution/Oplossing	Marks Punte
4.1		
		u
		(2)
4.2		
		(3)

	Solution/Oplossing	Marks Punte
4.3		Funie
1.5		
		(4)
4.4		
		(3)
4.5		
		(4)
4.6		
		[20

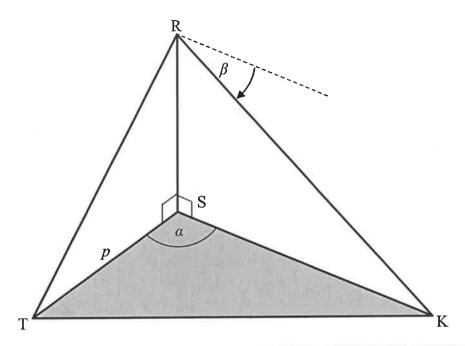
	Solution/Oplossing	Marks Punte
5.1.1		
	1	
		_
		_
5.1.2		(3)
5.1.2		
		(3)
5.1.3		
		(3)

	Solution/Oplossing	Marks <i>Punte</i>
5.2.1		
		_
		(4)
5.2.2		
5.2.3		(2)
3.2.3		
		(2)
5.3.1		
		(3)

	Solution/Oplossing	Marks Punte
5.3.2		
		(5)
5.4		
		(6)
		(6) [31]



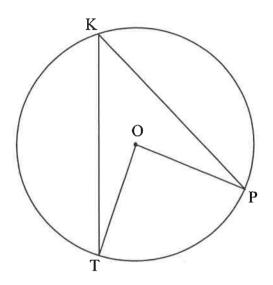
	Solution/Oplossing	Marks Punte
6.1		
		(1)
6.2		
		(2)
6.3.1		
		(2)
6.3.2		
		(2)
6.4		
		(3)
6.5		
		(2)
		[12]



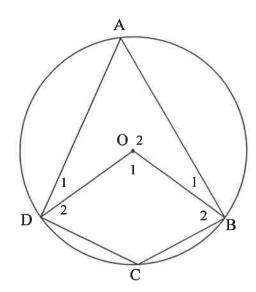
	Solution/Oplossing	Marks Punte
7.1		
		(2)
7.2		
		(2)
7.3		
		(3)
		[7]

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

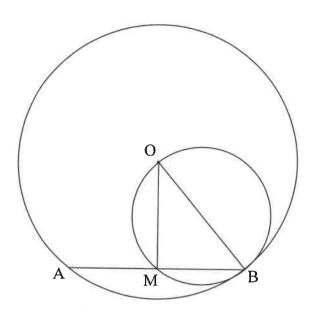
QUESTION/VRAAG 8



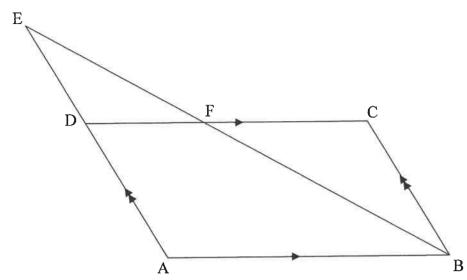
Solution/Oplossing	Marks <i>Punte</i>
	(5)



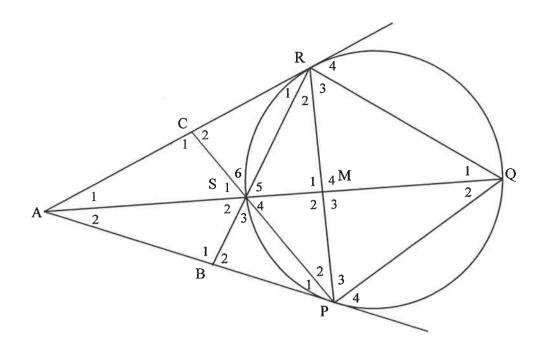
	Solution/Oplossing	Marks
		Punte
1		
		7
ļ.		
		(5)



	Solution/Oplossing	Marks Punte
8.3.1		
0.00		(2)
8.3.2		
		(4)
		[16]



	Solution/Oplossing	Marks Punte
9.1		
0.2		(3)
9.2		
	·	
9.3		(3)
9.3		
		(3) [9]



	Solution/Oplossing	Marks Punte
10.1		
		_
		-
10.2		(5)
10.2		
		(4)

	Solution/Oplossing	Marks Punte
10.3		
		25.6
		(6) [15]

Additional space/Addisionele ruimte		Marks <i>Punte</i>
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Additional space/Addisionele ruimte	Marks <i>Punte</i>
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	-

Question Vraag	Halis	Marks Punte		Initials Voorletters
			I	
	1			
TOTAL TOTAAL				
HASH				
TOTAL				
KAF- TOTAAL				