

Candidate Barcode label/Stafieskodeplakker

SC/NSC Answer Book SS/NSS-antwoordeboek

CENTRE NUM SENTRUMNON												
EXAMINATION EKSAMENNOM	N NUMBER MMER											
DATE DATUM							BOOK NU BOEKNO			OF VAN		OOKS OEKE
SUBJECT COD VAKKODE	E						PAPER N VRAESTI		ER	2		
SUBJECT NAM VAKNAAM	1E	MATE	IEMA	TICS.								
М	ARKER/NAS				MOD MODERA	ERATOR'S	S INITIALS I CORLETTER	N RELEV S <i>IN RELE</i>	ANT BLOC	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												
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								-				
		TOTAL										

Senior Certificate/National Senior Certificate/Senior Sertifikaat/Nasionale Senior Sertifikaat (Grade 12/Graad 12) 2022

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 23 pages./Hierdie antwoordeboek bestaan uit 23 bladsye.

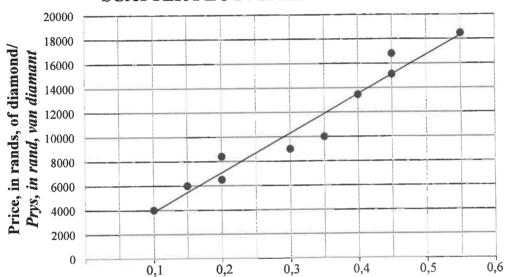
PLI	ASE FOLLOW THESE INSTRUCTIONS CAREFULLY	VOLG ASSEBLIEF HIERDIE INSTRUKSIES NOUKEURIG
1,	Clearly write your examination number and centre number in the space provided and attach your barcode label in the space provided.	 Skryf jou eksamennommer en sentrumnommer duidelik in die ruimtes verskaf en plak 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.	 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 verskaf 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 question paper.	5. Lees die instruksies, wat op jou eksamenrooster gedruk is, sorgvuldig deur, asook enige ander instruksies wat op elke vraestel 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, clearly indicate 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: Gebruik die bykomende ruimte wat aan die einde van die antwoordeboek verskaf word. As 'n vraag in die bykomende ruimte beantwoord word, dui duidelik die vraagnommer in die kolom aan die LK aan. 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.

	Solution/Oplossing	Marks Punte
1.1		
		(1)
1.2	MASS (in kg)/ MASSA (in kg) FREQUENCY/ FREKWENSIE KUMULATIEWE FREKWENSIE	
	$5 < m \le 7 \qquad \qquad 6$	
	$7 < m \le 9 \qquad \qquad 18$	
	$9 < m \le 11$ 21	
	$11 < m \le 13 \qquad \qquad 19$	
	$13 < m \le 15 \qquad \qquad 11$	
	$15 < m \le 17 \qquad \qquad 4$	
	$17 < m \le 19 \qquad \qquad 1$	(2)
	Ogive/Ogief 90 10 10 0 15 20 15 20 15 10 15 20	
	0 5 10 15 20 Mass (in kg)/Massa (in kg)	
		(3

	Solution/Oplossing	Marks Punte
1.4		
		(2)
1.5.1		
		(2)
1.5.2		(2)
1.5.2		
		[12]
	1	[12]

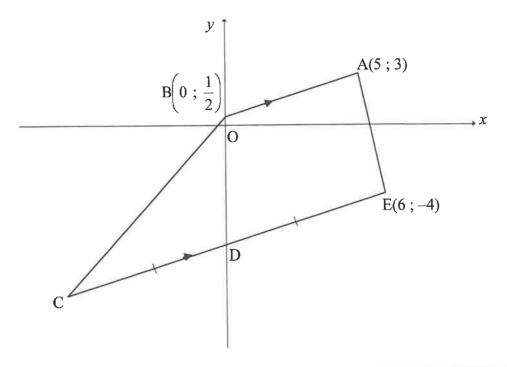
Size, in carats, of diamond (x)/ Grootte, in karaat, van diamant (x)	0,1	0,15	0,2	0,2	0,3	0,35	0,4	0,45	0,45	0,55
Price, in rands, of diamond (y)/ Prys, in rand, van diamant (y)	4 000	6 000	6 500	8 400	9 000	10 000	13 440	15 120	16 800	18 480

SCATTER PLOT / SPREIDIAGRAM



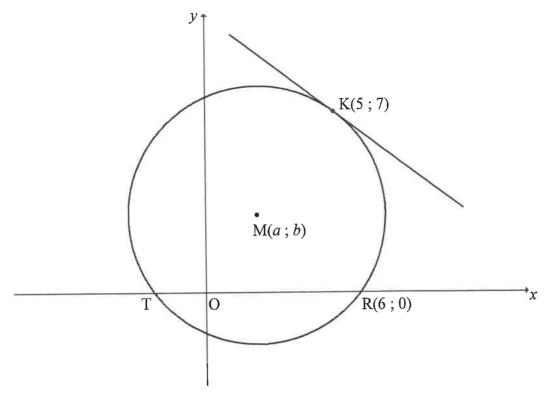
Size, in carats, of diamond/Grootte, in karaat, van diamant

	Solution/Oplossing	Marks Punte
2.1		
		(3)
2.2		
		(2)
2.3		
		(2)
2.4		
		(1)
		[8]



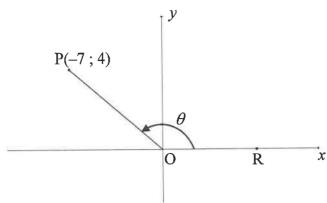
	Solution/Oplossing	Marks Punte
3.1		
		(2)
3.2		
		(3)
3.3.1		
		(3)

	Solution/Oplossing	Marks <i>Punte</i>
3.3.2		
		(4)
3.4.1		
3.4.2(a)		(2)
		(4)
3.4.2(b)		(4)
3(0)		
		(2)
		(3) [21]



	Solution/Oplossing	Marks Punte
4.1.1		
		(1)
4.1.2		
		(5

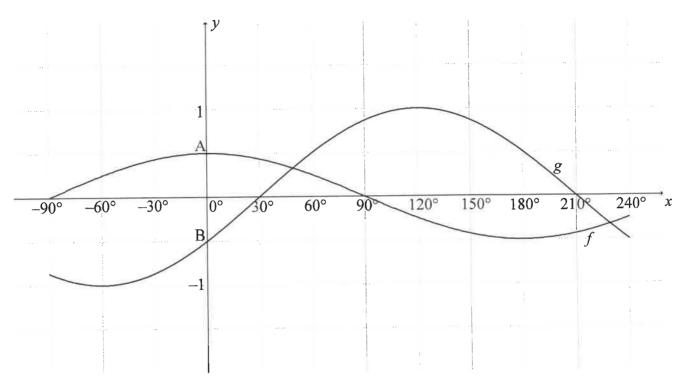
	Solution/Oplossing	Marks Punte
1.2.1		
		-
		(2)
1.2.2		
		(2)
4.3		(=)
۲.۶		
		(5
		(5
4.4.1		
		(2
4.4.2		
		(3
		[20



	Solution/Oplossing	Marks Punte
5.1.1		
		(2)
5.1.2(a)		
		(1)
5.1.2(b)		
		(2)
5.2		
		(7

	Solution/Oplossing	Marks <i>Punte</i>
5.3.1		
		(4)
5.3.2		(3)
3.3.2		
		(3)
		[18]

	Solution/Oplossing	Marks <i>Punte</i>
5.1		1 00000
		100.00
		(6)
6.2.1		
		(3)
6.2.2		
		(3 [12



	Solution/Oplossing	Marks Punte
7.1		
		(2)
7.2		
		(2)
7.3		
		(2)
7.4.1		
		(2)
7.4.2		
		(2)
		[10]

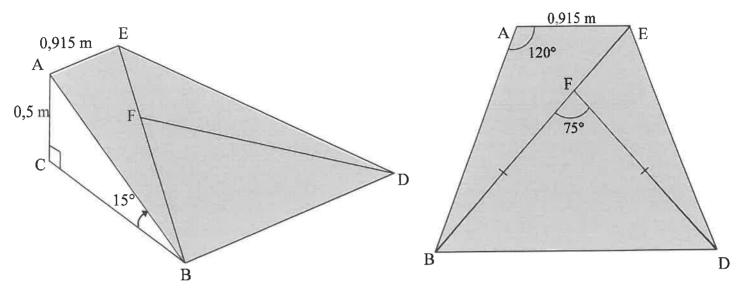


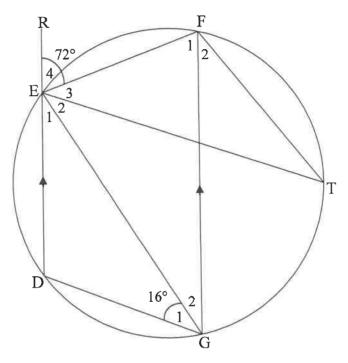
FIGURE I/FIGUUR I

FIGURE II (top view)/FIGUUR II (boaansig)

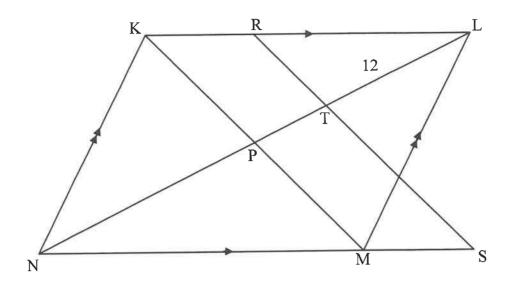
	Solution/Oplossing	Marks Punte
8.1		
		(2)
8.2		
		. (3)
8.3		
		(3) [8]
		[8]

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

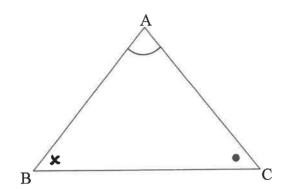
QUESTION/VRAAG9

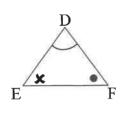


	Solution/Oplossing	Marks Punte
9.1.1		
		(2)
9.1.2		
		(2)
9.1.3		
		(2)

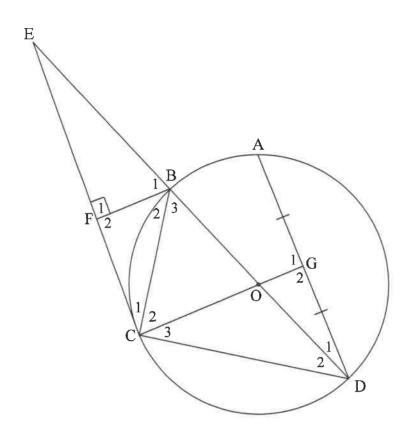


	Solution/Oplossing	Marks Punte
9.2.1		
		(4)
9.2.2		
		(2)
9.2.3		
		(4)
		[16]





	Solution/Oplossing	Marks Punte
10.1		
		((



	Solution/Oplossing	Marks Punte
10.2.1(a)		
		(3)

	Solution/Oplossing	Marks <i>Punte</i>
0.2.1(b)		
		(5)
0.2.2		
0.2.2		(1)
0.2.3		
		(5
10.2.4		
		[2:

Additional space/Bykomende ruimte	Mari Puni
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Additional space/Bykomende ruimte	Mark Punte
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	to all to deal to

Additional space/Bykomende ruimte	Marks Punte
	Tunte
	11-1

Additional space/Bykomende ruimte	Marks
	Punte
	-
	-

Initials Voorletters