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**SA EXAM
PAPERS**

PLEASE 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. 2. Remember that your own name (or the name of your school) may NOT appear anywhere on or in this answer book. 3. Answer ALL questions in the spaces provided. 4. NO pages may be torn from this answer book. 5. Read the instructions printed on your timetable carefully as well as any other instructions which may be given in each question paper. 6. Candidates may NOT retain an answer book or remove it from the examination room. 7. Answers must be written in black/blue ink as distinctly as possible. Do NOT write in the margins. 8. Write the numbers of the questions you have answered on the front cover of the answer book where marks are to be recorded. 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. 10. Draw a neat line through any work/rough work that must not be marked.	1. Skryf jou eksamennummer en sentrumnummer duidelik in die ruimtes verskaf en plak jou stafieskodeplakker in die ruimte verskaf. 2. Onthou dat jou eie naam (of die naam van jou skool) NIE op of in hierdie antwoordeboek mag voorkom NIE. 3. Beantwoord ALLE vrae in die ruimtes wat verskaf is. 4. GEEN bladsye mag uit hierdie antwoordeboek geskeur word NIE. 5. Lees die instruksies, wat op jou eksamenrooster gedruk is, sorgvuldig deur, asook enige ander instruksies wat op elke vraestel gegee word. 6. GEEN antwoordeboek mag deur die kandidaat behou of uit die eksamenlokaal verwyder word NIE. 7. Skryf die antwoorde so duidelik moontlik met swart/blou ink. Laat die kantlyne oop. 8. Skryf die nommers van die vrae wat jy beantwoord het op die voorblad van die antwoordeboek waar die punte aangebring word. 9. In geval jy bykomende ruimte benodig vir jou antwoorde: 9.1 Gebruik die bykomende ruimte wat aan die einde van die antwoordeboek verskaf 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. Trek 'n netjiese lyn deur enige werk/rofwerk wat nie nagesien moet word nie.

QUESTION/VRAAG 1

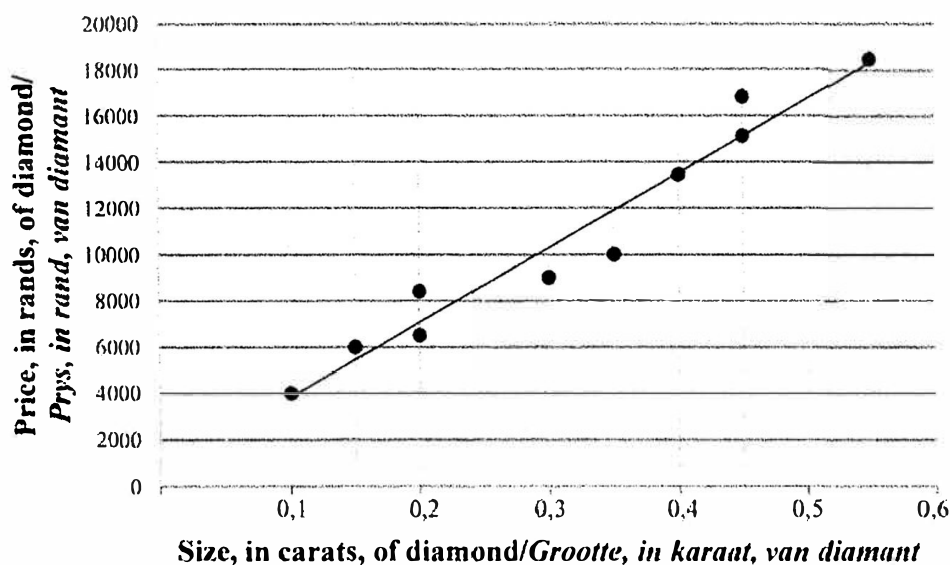
	Solution/Oplissing	Marks Punte																								
1.1		(1)																								
1.2	<table border="1"> <thead> <tr> <th>MASS (in kg)/ MASSA (in kg)</th><th>FREQUENCY/ FREKWENSIE</th><th>CUMULATIVE FREQUENCY/ KUMULATIEWE FREKWENSIE</th></tr> </thead> <tbody> <tr> <td>$5 < m \leq 7$</td><td>6</td><td></td></tr> <tr> <td>$7 < m \leq 9$</td><td>18</td><td></td></tr> <tr> <td>$9 < m \leq 11$</td><td>21</td><td></td></tr> <tr> <td>$11 < m \leq 13$</td><td>19</td><td></td></tr> <tr> <td>$13 < m \leq 15$</td><td>11</td><td></td></tr> <tr> <td>$15 < m \leq 17$</td><td>4</td><td></td></tr> <tr> <td>$17 < m \leq 19$</td><td>1</td><td></td></tr> </tbody> </table>	MASS (in kg)/ MASSA (in kg)	FREQUENCY/ FREKWENSIE	CUMULATIVE FREQUENCY/ KUMULATIEWE FREKWENSIE	$5 < m \leq 7$	6		$7 < m \leq 9$	18		$9 < m \leq 11$	21		$11 < m \leq 13$	19		$13 < m \leq 15$	11		$15 < m \leq 17$	4		$17 < m \leq 19$	1		(2)
MASS (in kg)/ MASSA (in kg)	FREQUENCY/ FREKWENSIE	CUMULATIVE FREQUENCY/ KUMULATIEWE FREKWENSIE																								
$5 < m \leq 7$	6																									
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$9 < m \leq 11$	21																									
$11 < m \leq 13$	19																									
$13 < m \leq 15$	11																									
$15 < m \leq 17$	4																									
$17 < m \leq 19$	1																									
1.3	Ogive/Ogief	(3)																								

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

QUESTION/VRAAG 2

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



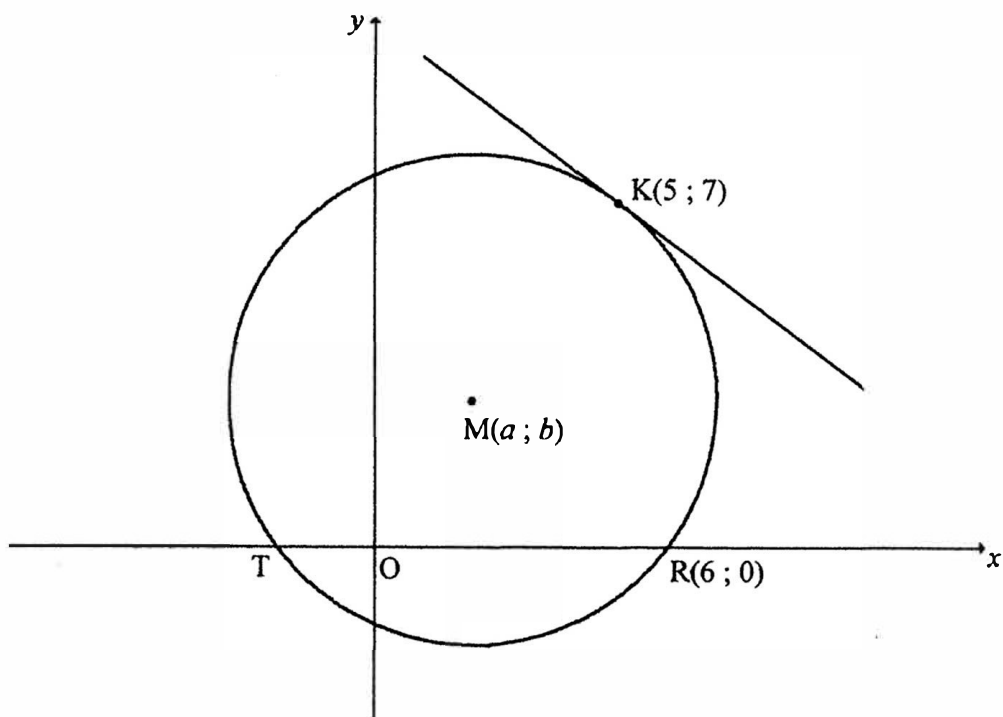
	Solution/Oplissing	Marks Punte
2.1		(3)
2.2		(2)
2.3		(2)
2.4		(1)
		[8]

A Cartesian coordinate system with x and y axes. The origin is labeled O. Point B is located on the y-axis at $(0; \frac{1}{2})$. Point A is at $(5; 3)$. Point E is at $(6; -4)$. A parallelogram ABCD is shown, with vertices A, B, C, and D. The origin O is the intersection of the diagonals AC and BD. Arrows on segments AB and CD indicate they are parallel. Tick marks on segments BE and CD indicate they are equal in length. The point E is marked such that BE is parallel to AD and BE = AD.

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

	Solution/Oplissing	Marks Punte
3.3.2		
		(4)
3.4.1		
		(2)
3.4.2(a)		
		(4)
3.4.2(b)		
		(3)
		[21]

QUESTION/VRAAG 4

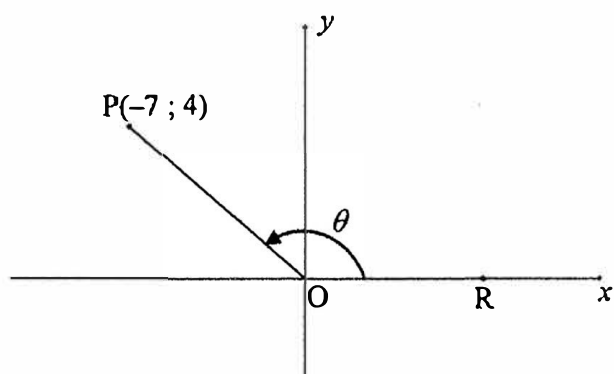


	Solution/Oplissing	Marks Punte
4.1.1		
		(1)
4.1.2		
		(5)

	Solution/Oplossing	Marks Punte
4.2.1		(2)
4.2.2		(2)
4.3		(5)
4.4.1		(2)
4.4.2		(3)
		[20]

QUESTION/VRAAG 5

5.1



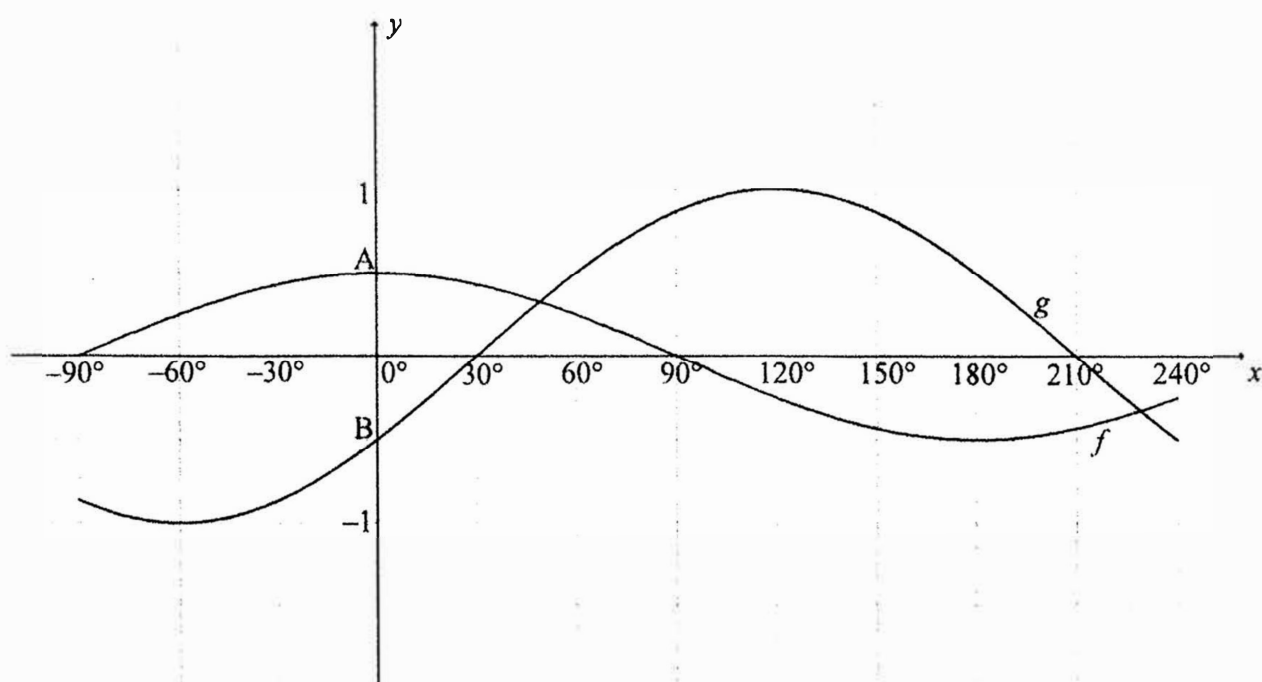
	Solution/Oplissing	Marks Punte
5.1.1		(2)
5.1.2(a)		(1)
5.1.2(b)		(2)
5.2		(7)

WILSON

QUESTION/VRAAG 6

	Solution/Oplissing	Marks Punte
6.1		
		(6)
6.2.1		
		(3)
6.2.2		
		(3)
		[12]

QUESTION/VRAAG 7



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

QUESTION/VRAAG 8

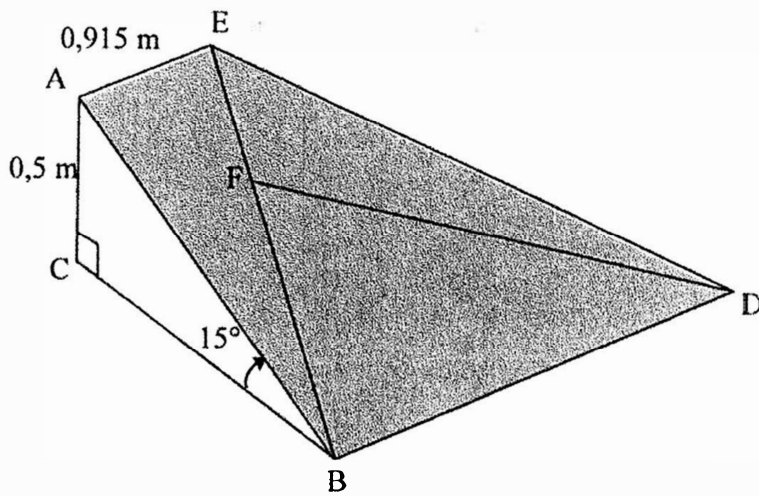


FIGURE I/FIGUUR I

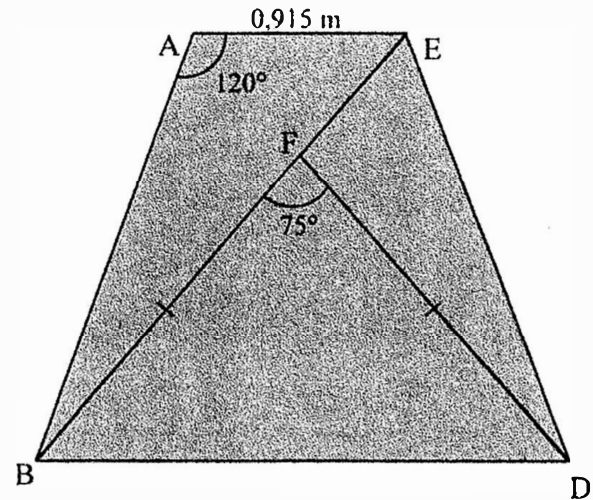


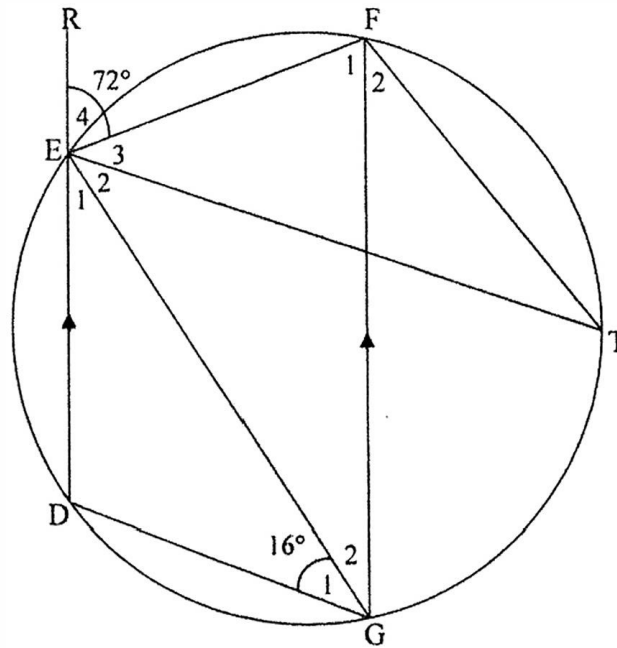
FIGURE II (top view)/FIGUUR II (boonansig)

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

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

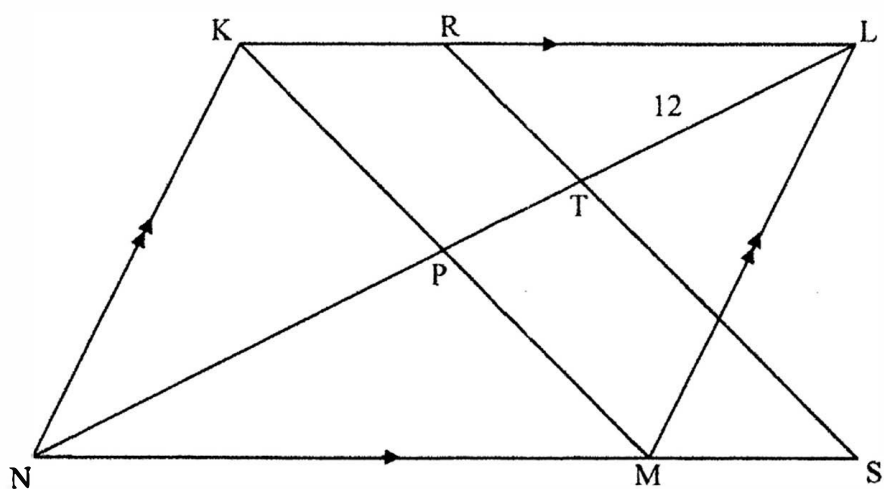
QUESTION/VRAAG 9

9.1



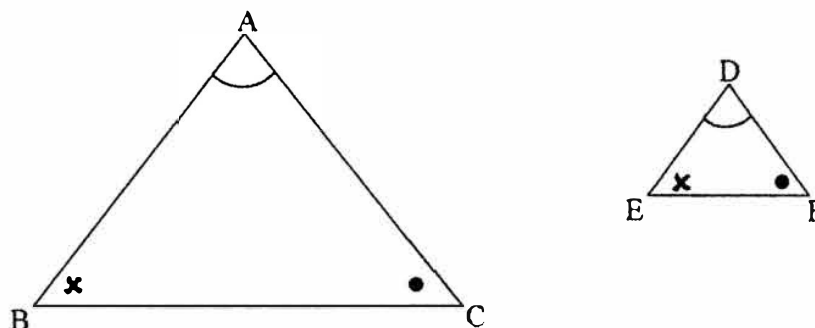
	Solution/Oplossing	Marks Punte
9.1.1		(2)
9.1.2		(2)
9.1.3		(2)

9.2



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

10.1

[illegible]

	Solution/Oplissing	Marks Punte
10.2.1(b)		
		(5)
10.2.2		
		(1)
10.2.3		
		(5)
10.2.4		
		(5)
		[25]

	Additional space/Bykomende ruimte	Marks Punte

XXXXXXXXXXXX

	Additional space/Bykomende ruimte	Marks Punte

	Additional space/Bykomende ruimte	Marks Punte



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

TOTAL/TOTAAL: 150

RE-MARK/RE-CHECK HERMERK/HERSIEN				
Question Vraag	Marks Punte			Initia's Voortletters
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
TOTAL TOTAAL				
HASH TOTAL KAF- TOTAAL				

