



GAUTENG PROVINCE

EDUCATION
REPUBLIC OF SOUTH AFRICA

PREPARATORY EXAMINATION Answer Book
VOORBEREIDENDE EKSAMEN-Antwoordboek
2019

CANDIDATE'S NAME <i>LEERDER SE NAAM</i>			
DATE <i>DATUM</i>			
ONDERWYSER <i>TEACHER</i>			
SUBJECT NAME <i>VAKNAAM</i>	MATHEMATICS / WISKUNDE (10612)		
	BOOK NUMBER <i>BOEKNOMMER</i>	OF <i>VAN</i>	BOOKS <i>BOEKE</i>
	PAPER NUMBER <i>VRAESTELNOMMER</i>	2	

This answer book consists of 25 pages. / Hierdie antwoordboek bestaan uit 25 bladsye.

MARKER / NASIENER			MODERATOR'S INITIALS IN RELEVANT BLOCK <i>MODERATORPARAAF IN BETROKKE BLOKKIE</i>					RE-MARK / RE-CHECK <i>HERNASIEN / HERKONTROLEER</i>			
Question <i>Vraag</i>	Marks <i>Punte</i>	Marker's Code & Initials	Marks <i>Punte</i>					Question <i>Vraag</i>	Marks <i>Punte</i>	Initials <i>Paraaf</i>	
1								1			
2								2			
3								3			
4								4			
5								5			
6								6			
7								7			
8								8			
9								9			
10								10			
11								11			
TOTAL <i>TOTAAL</i>							TOTAL <i>TOTAAL</i>				

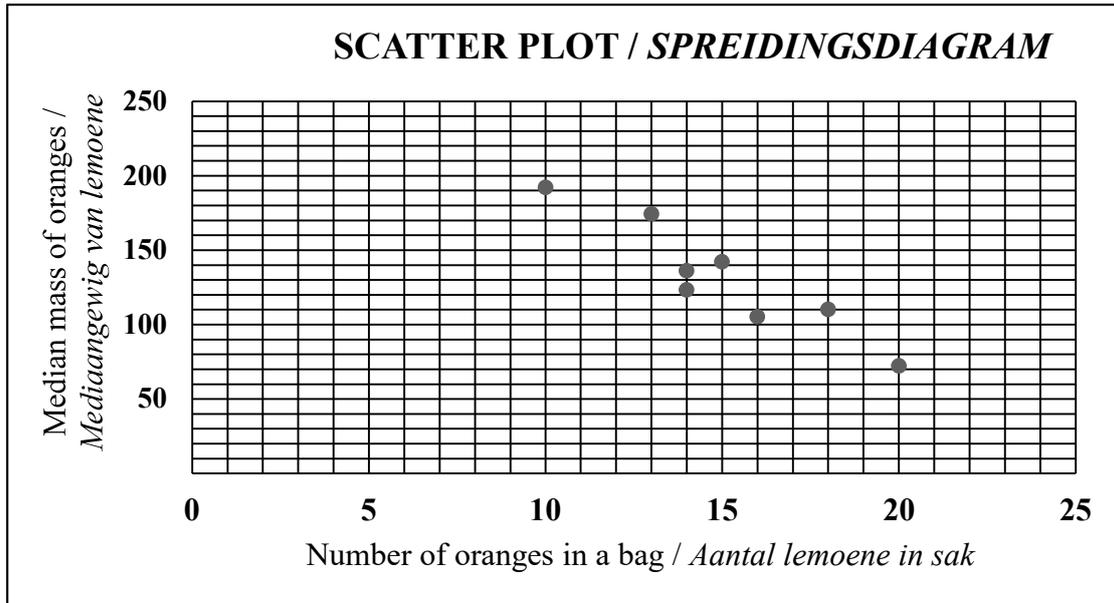
READ INSTRUCTIONS ON THE NEXT PAGE.
LEES INSTRUKSIES OP DIE VOLGENDE BLADSY.

GAUTENG DEPARTMENT OF EDUCATION /**GAUTENGSE DEPARTEMENT VAN ONDERWYS****PREPARATORY EXAMINATION / VOORBEREIDENDE EKSAMEN****MATHEMATICS / WISKUNDE****(Paper / Vraestel 2)****ANSWER BOOK / ANTWOORDBOEK**

FOLLOW THESE INSTRUCTIONS CAREFULLY	VOLG HIERDIE INSTRUKSIES NOUKEURIG
1. Answer ALL questions in the spaces provided.	1. Beantwoord ALLE vrae in die ruimtes wat voorsien is.
2. No pages may be torn from this answer book.	2. Geen bladsye mag uit hierdie antwoordboek geskeur word nie.
3. Candidates may not retain an answer book or remove it from the examination room. Answer books must be returned to the invigilator at the end of the examination session.	3. Geen antwoordboek mag deur die kandidaat behou of uit die eksamenlokaal verwyder word nie. Antwoordboeke moet aan die toesighouer terugbesorg word aan die einde van die eksamensessie.
4. Answers must be written in black / blue ink as distinctly as possible. Do not write in the margins.	4. Skryf die antwoorde so duidelik moontlik met swart / blou ink. Moenie in die kantlyn skryf nie.
5. Indicate the questions that you have answered by drawing a circle around the relevant numbers on the front cover of the answer book where marks are to be recorded.	5. Dui die vrae wat jy beantwoord het aan op die voorblad van die antwoordboek waar die punte aangebring word, deur 'n kringetjie te trek om die nommers van die vrae wat jy beantwoord het.
6. Rule-off through any work / rough work that must not be marked.	6. Trek 'n netjiese lyn deur enige werk / rofwerk wat nie nagesien moet word nie.
7. In the event that you use the additional space provided:	7. Ingeval jy die bykomende ruimte wat voorsien word, gebruik:
7.1 Write down the number of the question.	7.1 Skryf die nommer van die vraag neer.
7.2 Leave a line and rule off after your answer.	7.2 Laat 'n lyn oop en trek 'n lyn na jou antwoord.

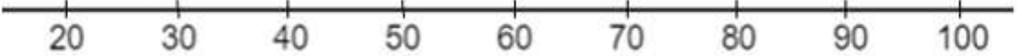
QUESTION / VRAAG 1

Number of oranges in a bag / <i>Aantal lemoene in 'n sak</i>	18	16	20	15	14	13	14	10
Median mass of oranges in the same bag (to the nearest gram) / <i>Mediaangewig van die lemoene in dieselfde sak (tot die naaste gram)</i>	110	105	72	142	123	174	136	192

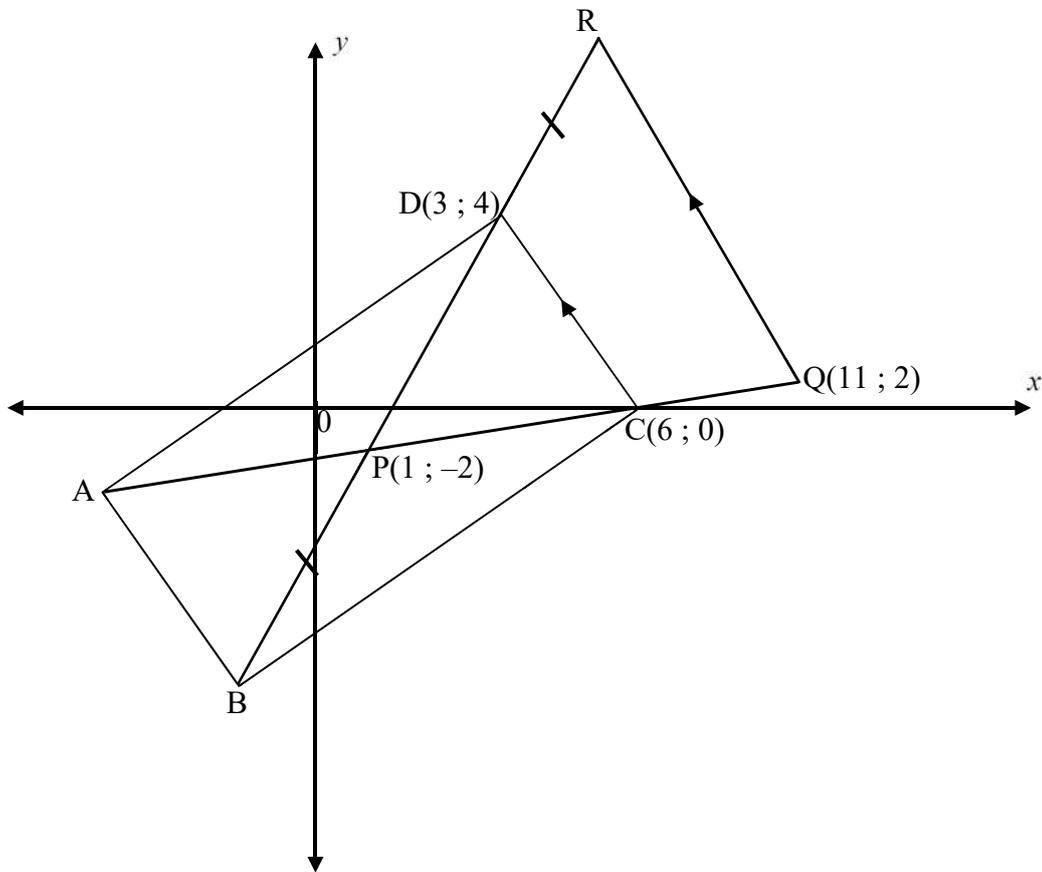


	Solution / <i>Oplossing</i>	Marks <i>Punte</i>
1.1		
		(3)
1.2		
		(1)
1.3	On graph / <i>Op Grafiek</i>	
		(2)
1.4		
		(1)
1.5		
		(2)
		[9]

QUESTION / VRAAG 2

	Solution / Oplossing	Marks Punte
2.1.1		(1)
2.1.2		(2)
2.1.3		(3)
2.1.4		(1)

QUESTION / VRAAG 3

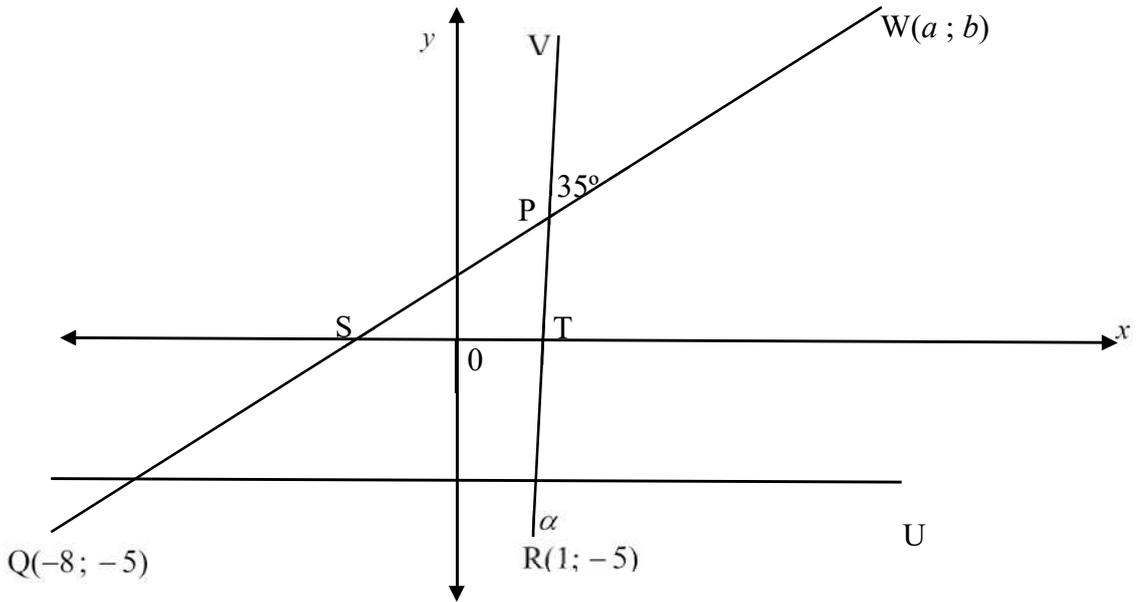


	Solution / Oplossing	Marks Punte
3.1.1		

(3)

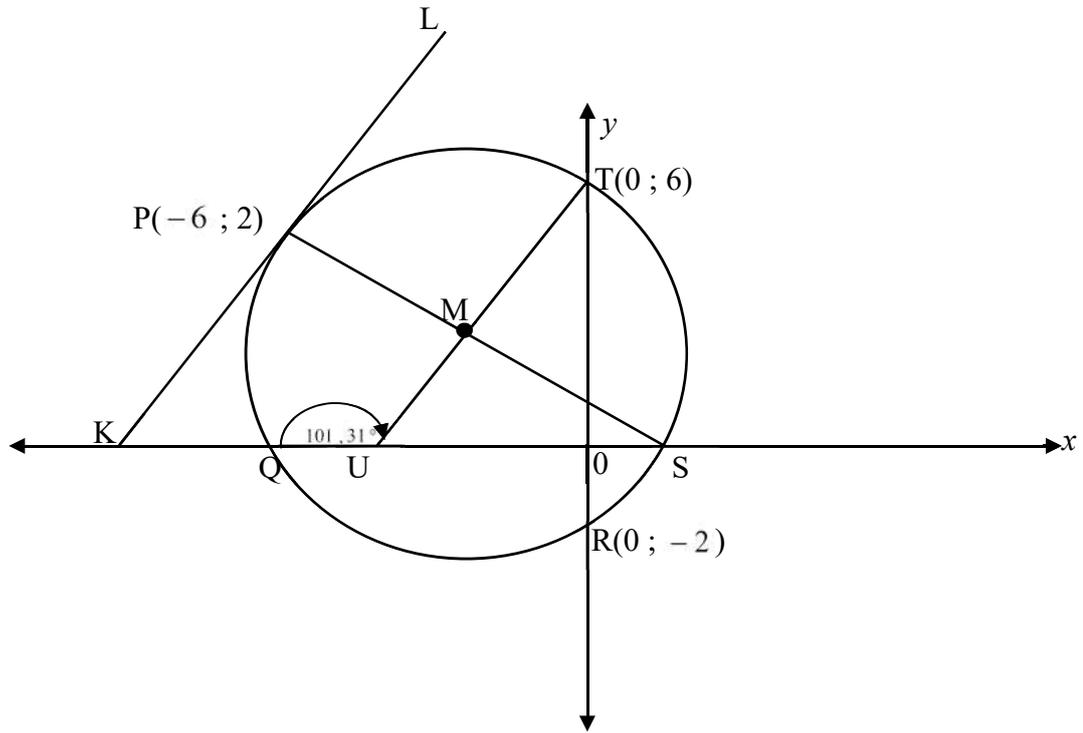
	Solution / Oplossing	Marks Punte
3.1.2		(2)
3.1.3		(2)
3.1.4		(6)

3.2



	Solution / Oplossing	Marks Punte
3.2.1		(5)
3.2.2		(6)
		[24]

QUESTION / VRAAG 4



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

	Solution / Oplossing	Marks Punte
4.3		(3)
4.4		(3)
4.5		(3)

[15]

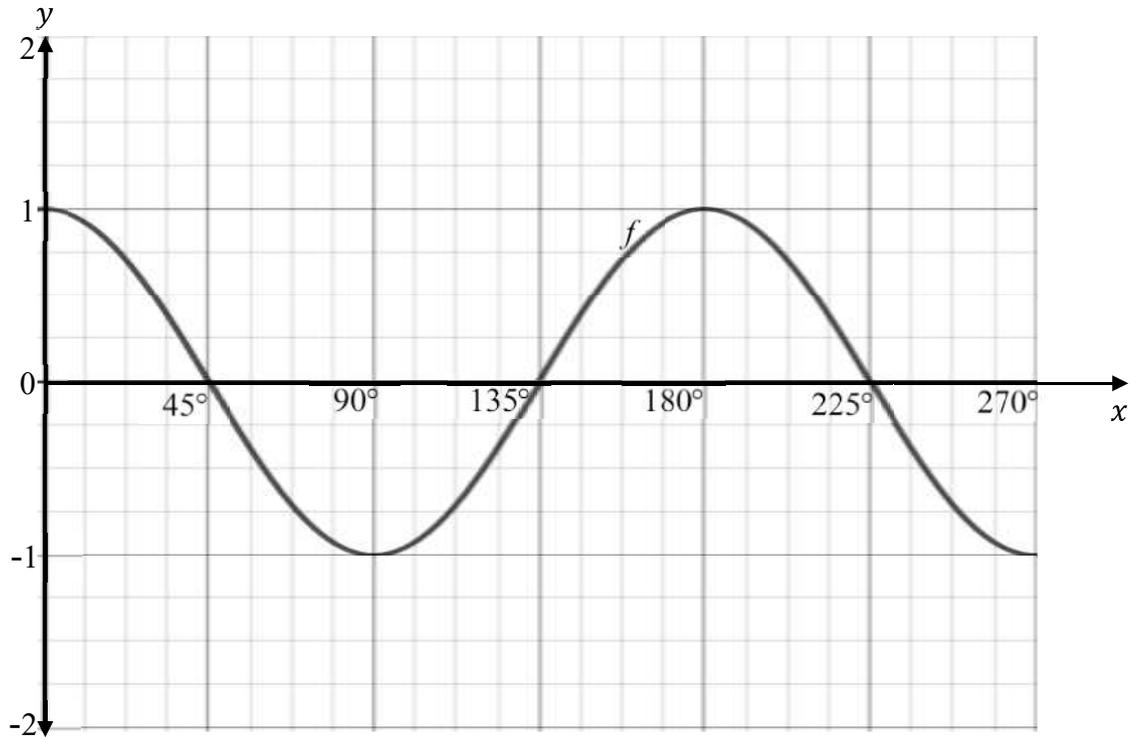
QUESTION / VRAAG 5

	Solution / Oplossing	Marks Punte
5.1.1		(2)
5.1.2		(3)
5.2		(6)

	Solution / <i>Oplossing</i>	Marks <i>Punte</i>
5.3		
5.4.1		(4)
		(3)

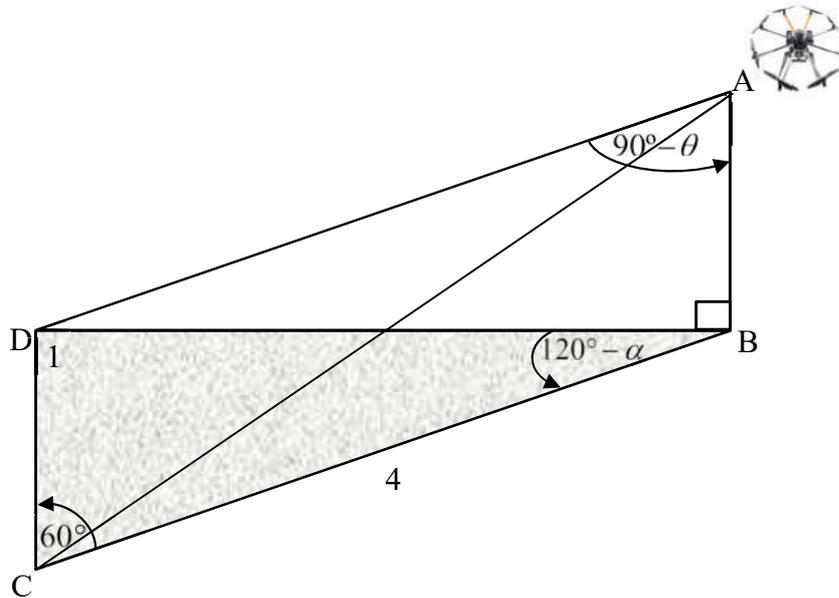
	Solution / <i>Oplossing</i>	Marks <i>Punte</i>
5.4.2		
5.5		(4)
		(4)
		[26]

QUESTION / VRAAG 6



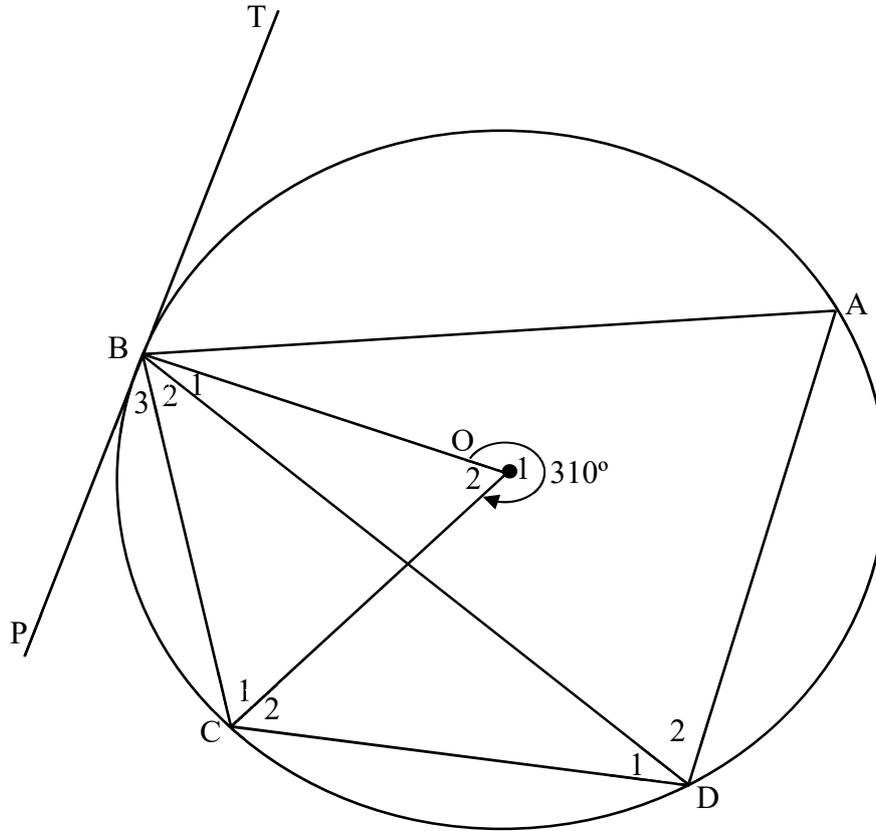
	Solution / Oplossing	Marks Punte
6.1	See graph / Sien grafiek	(4)
6.2		(1)
6.3		(2)
		[7]

QUESTION / VRAAG 7



	Solution / Oplossing	Marks Punte
7.1		(2)
7.2		(3)
7.3		(3)
		[8]

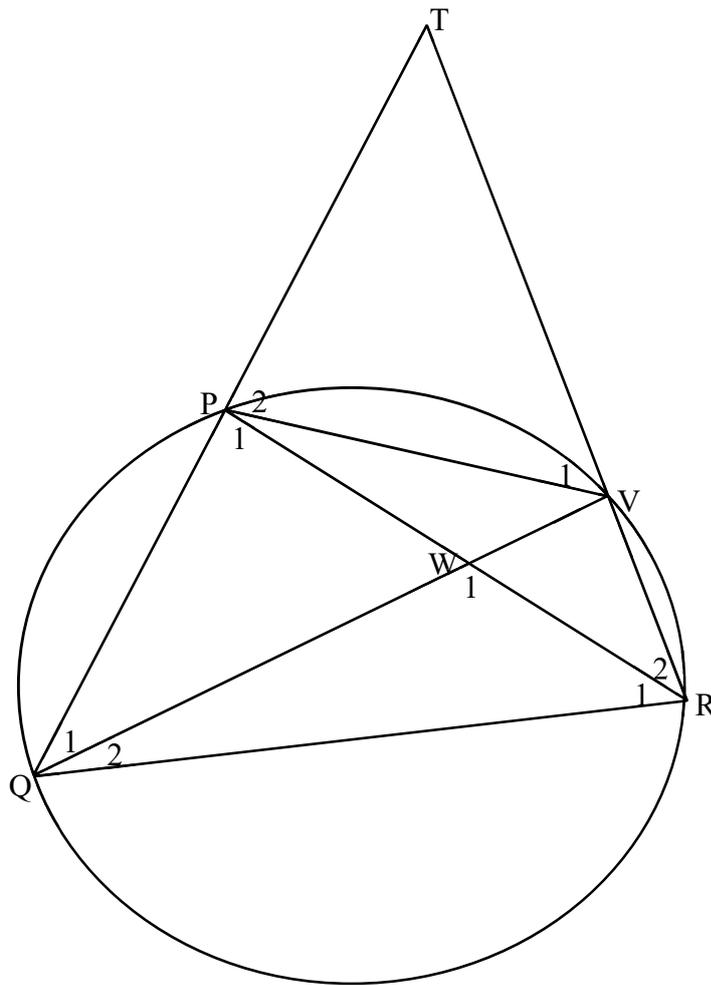
QUESTION / VRAAG 8



	Solution / Oplossing	Marks Punte
8.1		
		(3)
8.2		
		(2)
8.3		
		(4)
		[9]

	Solution / Oplossing	Marks Punte
9.2.3		(2)
9.2.4		(5)
		[14]

10.2



	Solution / <i>Oplossing</i>	Marks <i>Punte</i>
10.2.1	<div style="border-bottom: 1px solid black; height: 15px; margin-bottom: 5px;"></div> <div style="border-bottom: 1px solid black; height: 15px; margin-bottom: 5px;"></div> <div style="border-bottom: 1px solid black; height: 15px; margin-bottom: 5px;"></div> <div style="border-bottom: 1px solid black; height: 15px; margin-bottom: 5px;"></div> <div style="border-bottom: 1px solid black; height: 15px; margin-bottom: 5px;"></div> <div style="border-bottom: 1px solid black; height: 15px; margin-bottom: 5px;"></div> <div style="border-bottom: 1px solid black; height: 15px; margin-bottom: 5px;"></div> <div style="border-bottom: 1px solid black; height: 15px; margin-bottom: 5px;"></div> <div style="border-bottom: 1px solid black; height: 15px; margin-bottom: 5px;"></div> <div style="border-bottom: 1px solid black; height: 15px; margin-bottom: 5px;"></div> <div style="border-bottom: 1px solid black; height: 15px; margin-bottom: 5px;"></div> <div style="border-bottom: 1px solid black; height: 15px; margin-bottom: 5px;"></div> <div style="border-bottom: 1px solid black; height: 15px; margin-bottom: 5px;"></div> <div style="border-bottom: 1px solid black; height: 15px; margin-bottom: 5px;"></div> <div style="border-bottom: 1px solid black; height: 15px; margin-bottom: 5px;"></div> <div style="border-bottom: 1px solid black; height: 15px; margin-bottom: 5px;"></div> <div style="border-bottom: 1px solid black; height: 15px; margin-bottom: 5px;"></div> <div style="border-bottom: 1px solid black; height: 15px; margin-bottom: 5px;"></div> <div style="border-bottom: 1px solid black; height: 15px; margin-bottom: 5px;"></div> <div style="border-bottom: 1px solid black; height: 15px; margin-bottom: 5px;"></div> <div style="border-bottom: 1px solid black; height: 15px; margin-bottom: 5px;"></div>	(3)

	Solution / Oplossing	Marks Punte
11.2		
11.3		

(2)

(4)

[10]



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MATHEMATICS: P2 ANSWER BOOK

Senior Certificate/ Senior Sertifikaat
Mathematics / Wiskunde Paper 2

Senior Certificate/REPARATORY EXAMINATION Answer Book
Senior Sertifikaat VOORBEREIDENDE EKSAMEN-antwoordeboek

