NAME OF LEARNER:	
NAAM VAN LEERDER:	
CLASS:	
KLAS:	

NATIONAL SENIOR CERTIFICATE NASIONALE SENIOR SERTIFIKAAT

MATHEMATICS P2/WISKUNDE V2

GRADE/GRAAD 10

NOVEMBER 2019

SPECIAL ANSWER BOOK SPESIALE ANTWOORDEBOEK

QUESTION VRAAG	MARK <i>PUNT</i>	INITIAL <i>PARAAF</i>	MODERATION MODERERING	INITIAL <i>PARAAF</i>
1				
2				
3				
4			i	
5				
6				
7				
8				
TOTAL TOTAAL (100)				

This answer book consists of 15 pages. *Hierdie antwoordeboek bestaan uit 15 bladsye.*



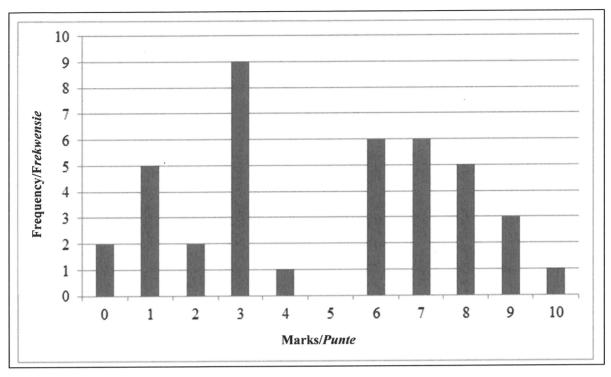


	Soluti	on/ <i>Oplo</i>	ssing													Marks Punte
			5	7	8	10	13	15	15	15	21	24				
			29	30	32	36	38	44	45	51	55					
1.1.1																(1)
1.1.2																
1.1.3																(1)
111.5																-
1.1.4																(3)
1.1.4																
,																
	0	5	10 1	15	20	25	3	0	35	40	45		50	55	60	
		3			20	23	3		35	10	10	•	- •		30	
																(2)

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1.2.1		(1)
1.2.2		(1)
1.2.3		
		(2)
1.2.4		
		(2)
1.2.5		(2)
	,	
		(3)
		[16]

	Solution/Oplossing	Marks <i>Punte</i>
	A(1;3) $C(2;1)$ $E(-2;-1)$ $B(x;y)$	
2.1.1		
2.1.2		(2)
2.1.3		(2)
		-
		(3)



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2.2		
		(3)
2.3		(3)
2.3		
		,
	·	
		(5) [15]
		[15]

	Solution/Oplossing	Marks Punte
3.1		
3.2		(1)
		(3)
3.3	$\begin{bmatrix} E \\ 1 \end{bmatrix}^2$	
3.3.1		(1)
3.3.2		(1)
3.3.3		(2)

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3.4.1		
		(2)
3.4.2		(3)
3.4.2		
		(4)
	3	[15]

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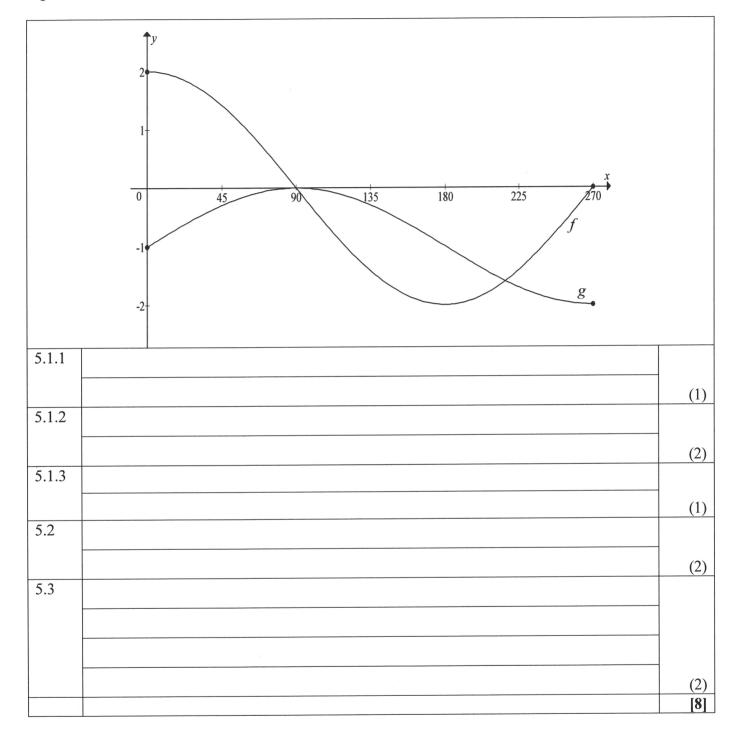
	Solution/Oplossing	Marks <i>Punte</i>
4.1.1		
4.1.2		(2)
4.2	E 5 D Ground level	(3)
4.2.1		(2)

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4.2.2	
	(5)
4.2.3	
	,
	,
	(4)
	[16]



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	Solution/Oplossing	Marks Punte
	x cm 25 cm	
6.1		
		(3)
6.2		
		(2)
6.3		
6.4		(2)
		(2) [9]
		[7]_

	Solution/Oplossing	Marks Punte
	$\begin{array}{c} E \\ \hline 2 \\ \hline \\ M \\ \hline \\ M \\ \hline \\ M \\ \hline \\ M \\ \end{array}$	
7.1.1		
		(2)
7.1.2		
100		
		(3)

13

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5 C		
7.2	P M R	
		,
		,
		(4)
		[9]

	Solution/Oplossing	Marks Punte
8.1		(1)
	$\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$	
8.2.1		_
0.5		(1)
8.2.2 (a)		-
		(3)
8.2.2 (b)		
8.2.2 (c)		(2)
		(3)

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8.2.3	
	-
	(2)
	[12]

TOTAL/TOTAAL:

100

ADDITIONAL SPACE/BYKOMENDE RUIMTE

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