



Province of the  
**EASTERN CAPE**  
EDUCATION

LEARNER'S NAME/  
NAAM VAN LEERDER:

CLASS / KLAS:

**NATIONAL SENIOR CERTIFICATE/  
NASIONALE SENIOR SERTIFIKAAT**

**GRADE/GRAAD 11**

**NOVEMBER 2022**

**TECHNICAL MATHEMATICS P2/TEGNIJSE WISKUNDE V2  
SPECIAL ANSWER BOOK/SPEZIALE ANTWOORDEBOEK  
(DEAF)**

QUESTION/VRAAG	MARKS/PUNTE			HOD/HVD (Level 1 mod./Vlak 1 mod.)			DISTRICT/DISTRIK (Level 2 mod./Vlak 2 mod.)			PROVINCIAL/PROVINSIAAL (Level 3 mod./Vlak 3 mod.)		
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
TOTAL/TOTAAL												

This special answer book consists of 20 pages./  
Hierdie spesiale antwoordeboek bestaan uit 20 bladsye.

FOLLOW THESE INSTRUCTIONS CAREFULLY	VOLG HIERDIE INSTRUKSIES NOUKEURIG
<p>1. Answer ALL questions in the spaces provided<sub>(given)</sub>.</p> <p>2. <b>No pages</b> may be <b>torn</b> from this answer book.</p> <p>3. <b>Answers</b> must be <b>written</b> in <b>black/blue ink</b> as distinctly<sub>(clearly)</sub> as possible. Do not write in the margins.</p> <p>4. <b>Indicate</b><sub>(show)</sub> the <b>questions</b> you have <b>answered</b> by <b>drawing a circle</b> around the <b>relevant numbers</b> on the front cover of the answer book where marks are to be recorded.</p> <p>5. <b>Draw a neat line through</b> any work/<b>rough</b> work that must not be marked.</p> <p>6. In the event that you <b>use</b> the additional <b>space provided</b><sub>(given)</sub>:</p> <p>6.1 <b>Write</b> down the <b>number</b> of the <b>question</b>.</p> <p>6.2 <b>Leave a line</b> and <b>rule off</b> after your <b>answer</b>.</p>	<p>1. Beantwoord ALLE vrae in die ruimtes wat voorsien is.</p> <p>2. Geen bladsye mag uit hierdie antwoordeboek geskeur word nie.</p> <p>3. Skryf die antwoorde so duidelik moontlik met swart/blou ink. Moenie in die kantlyn skryf nie.</p> <p>4. Dui die vrae wat jy beantwoord het aan op die voorblad van die antwoordeboek waar die punte aangebring is, deur 'n kringetjie te trek om die nommers van die vrae wat jy beantwoord het.</p> <p>5. Trek 'n netjiese lyn deur enige werk/rofwerk wat nie nagesien moet word nie.</p> <p>6. Ingeval jy die bykomende ruimte wat voorsien word, gebruik:</p> <p>6.1 Skryf die nommer van die vraag neer.</p> <p>6.2 Laat 'n lyn oop en trek 'n lyn na jou antwoord.</p>

## QUESTION/VRAAG 1

	Solution/Oplossing	Marks Punte
1.1		(2)
1.2		(6)

	<b>Solution/Oplissing</b>	<b>Marks Punte</b>
1.3		(3)
1.4		(5)
1.5		(3)

	<b>Solution/<i>Oplossing</i></b>	<b>Marks <i>Punte</i></b>
1.6		(7)
		<b>[26]</b>

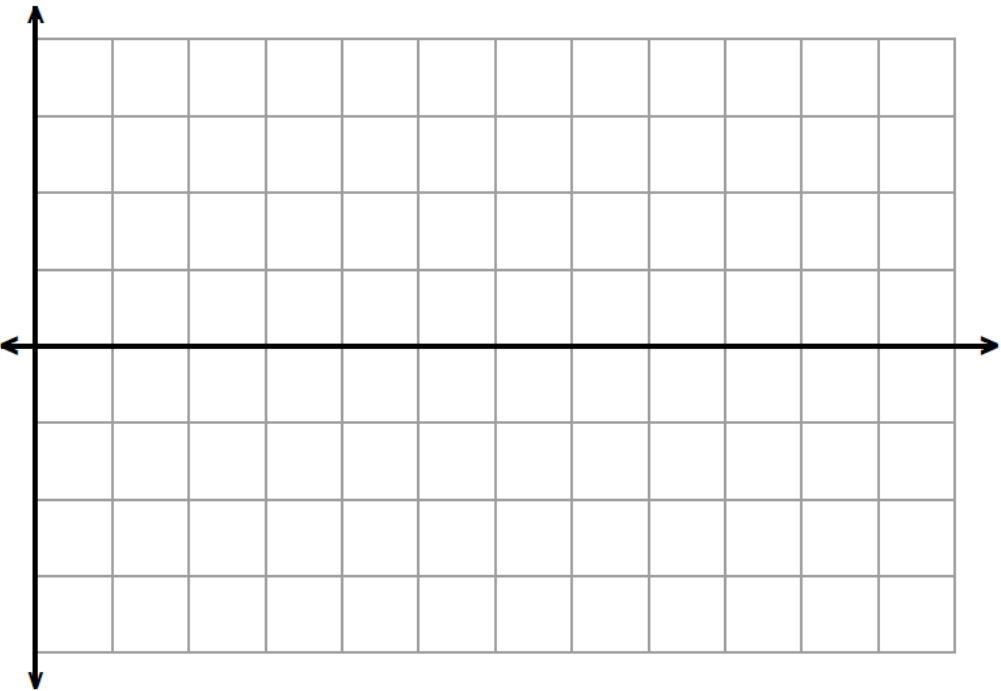
**QUESTION/VRAAG 2**

	<b>Solution/Oplossing</b>	<b>Marks Punte</b>
2.1.1		(1)
2.1.2		(2)
2.2.1		(5)
2.2.2		(3)
2.2.3		(3)
2.3		(5)
		<b>[19]</b>

**QUESTION/VRAAG 3**

	<b>Solution/Oplossing</b>	<b>Marks Punte</b>
3.1.1		(1)
3.1.2		(1)
3.2		(5)
3.3		(4)
		<b>[11]</b>

## QUESTION/VRAAG 4

	Solution/Oplossing	Marks Punte
4.1		(6)
4.2.1		(1)
4.2.2		(2)
		[9]



## QUESTION/VRAAG 5

5.1		
		(2)
5.2		
		(1)
5.3		
		(3)
5.4		
		(5)
5.5		
		(3)
		<b>[14]</b>



## QUESTION/VRAAG 7

	Solution/Oplissing	Marks Punte
7.1		(1)
7.2		
7.2.1		(2)
7.2.2		(2)
7.2.3		(2)
7.2.4		(2)
7.2.5		(2)
7.2.6		(2)
7.2.7		(2)
7.2.8		(2)
		[17]

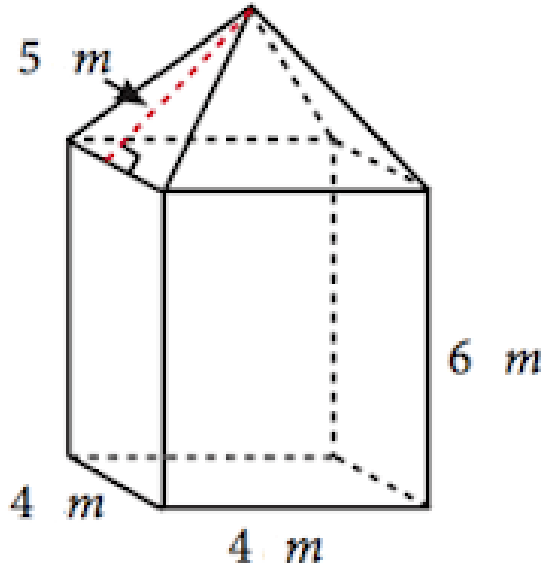


**QUESTION/VRAAG 9**

	<b>Solution/Oplossing</b>	<b>Marks Punte</b>
9.1.1		
		(4)
9.1.2		
		(3)
9.2.1		
		(3)

	<b>Solution/Oplissing</b>	<b>Marks Punte</b>
9.2.2		(3)
9.3		(8)
		<b>[21]</b>



	Solution/Oplissing	Marks Punte
10.2		
10.2.1	<div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div>	(4)
10.2.2	<div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div>	(6)
		[14]
	<b>TOTAL/TOTAAL</b>	<b>150</b>



	<b>Additional Space/Addisionele Ruimte</b>	<b>Marks Punte</b>

[illegible]



	<b>Additional Space/Addisionele Ruimte</b>	<b>Marks Punte</b>