



Province of the
EASTERN CAPE
EDUCATION



LEARNER'S NAME:
LEERDER SE NAAM:

GRADE 12/
GRAAD 12

**NATIONAL
SENIOR CERTIFICATE/
NASIONALE
SENIORSERTIFIKAAT**

GRADE 12/*GRAAD 12*

JUNE/*JUNIE* 2024

**MATHEMATICS P2/*WISKUNDE V2*
SPECIAL ANSWER BOOK/*SPESIALE ANTWOORDEBOEK***

Marker/ <i>Merker</i>				Moderator's Initial / <i>Moderator se paraaf</i>									
Question <i>Vraag</i>	Mark <i>Punt</i>	Initial <i>Parafeer</i>		Marks <i>Punte</i>	S <i>M</i>	Marks <i>Punte</i>	D <i>M</i>	Marks <i>Punte</i>	P <i>M</i>	Marks <i>Punte</i>	N <i>M</i>		
1													
2													
3													
4													
5													
6													
7													
8													
9													
10													
TOTAL <i>TOTAAL</i>													

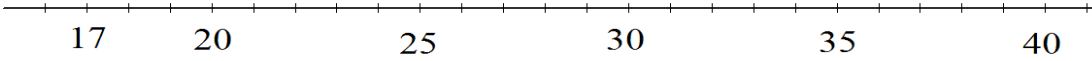
*SM = School Moderator *DM = District Moderator *PM = Provincial Moderator *NM = National Moderator
*SM = Skool Moderator *DM = Distrik Moderator *PM = Provinsiale Moderator *NM = Nasionale Moderator

This special answer book consists of 25 pages.
Hierdie spesiale antwoordeboek bestaan uit 25 bladsye.

QUESTION 1/VRAAG 1

27	32	35	36	30	27	17	26	34	37	40
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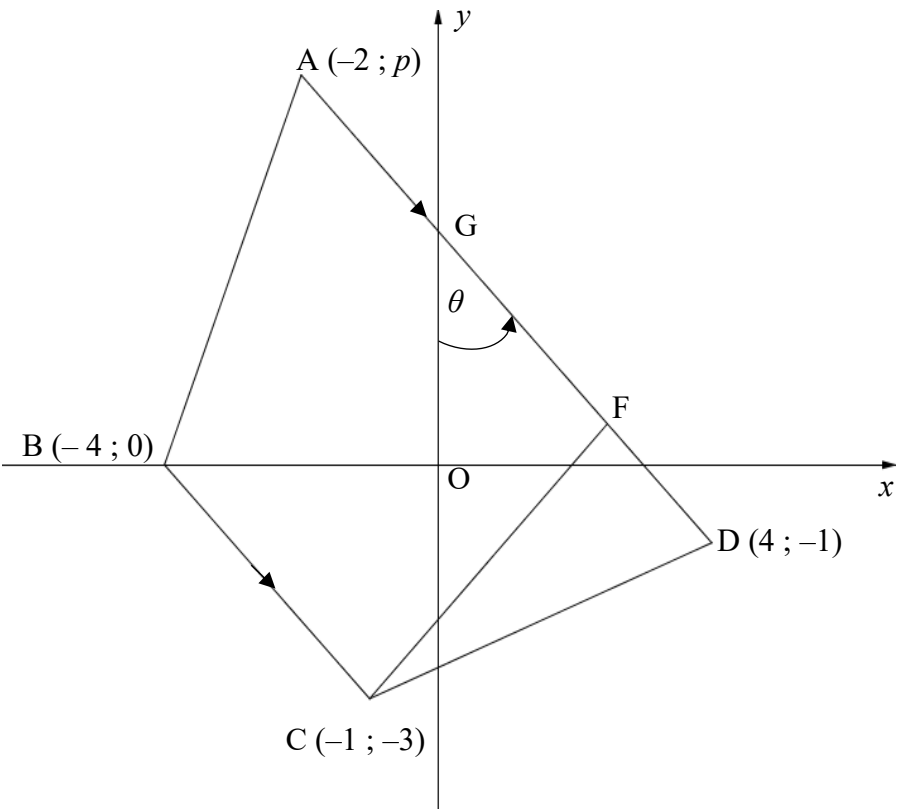
	Solution/Oplissing	Marks/ Punte
1.1		(2)
1.2		(1)
1.3		(3)
1.4		(3)

	Solution/<i>Oplossing</i>	Marks/ <i>Punte</i>
1.5		
		(3)
		[12]

QUESTION 2/VRAAG 2

	Solution/Oplissing	Marks/ Punte																		
2.1	<table border="1"> <thead> <tr> <th>Percentage obtained / Persentasie behaal</th><th>Frequency Frekwensie</th><th>Cumulative frequency Kumulatiewe frekwensie</th></tr> </thead> <tbody> <tr> <td>$0 \leq x < 20$</td><td></td><td>4</td></tr> <tr> <td>$20 \leq x < 40$</td><td></td><td>18</td></tr> <tr> <td>$40 \leq x < 60$</td><td></td><td>36</td></tr> <tr> <td>$60 \leq x < 80$</td><td></td><td>50</td></tr> <tr> <td>$80 \leq x < 100$</td><td></td><td>54</td></tr> </tbody> </table>	Percentage obtained / Persentasie behaal	Frequency Frekwensie	Cumulative frequency Kumulatiewe frekwensie	$0 \leq x < 20$		4	$20 \leq x < 40$		18	$40 \leq x < 60$		36	$60 \leq x < 80$		50	$80 \leq x < 100$		54	
Percentage obtained / Persentasie behaal	Frequency Frekwensie	Cumulative frequency Kumulatiewe frekwensie																		
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$80 \leq x < 100$		54																		
		(2)																		
2.2																				
		(1)																		
2.3																				
		(1)																		
2.4																				
		(2)																		
2.5																				
		(2)																		
		[8]																		

QUESTION 3/VRAAG 3

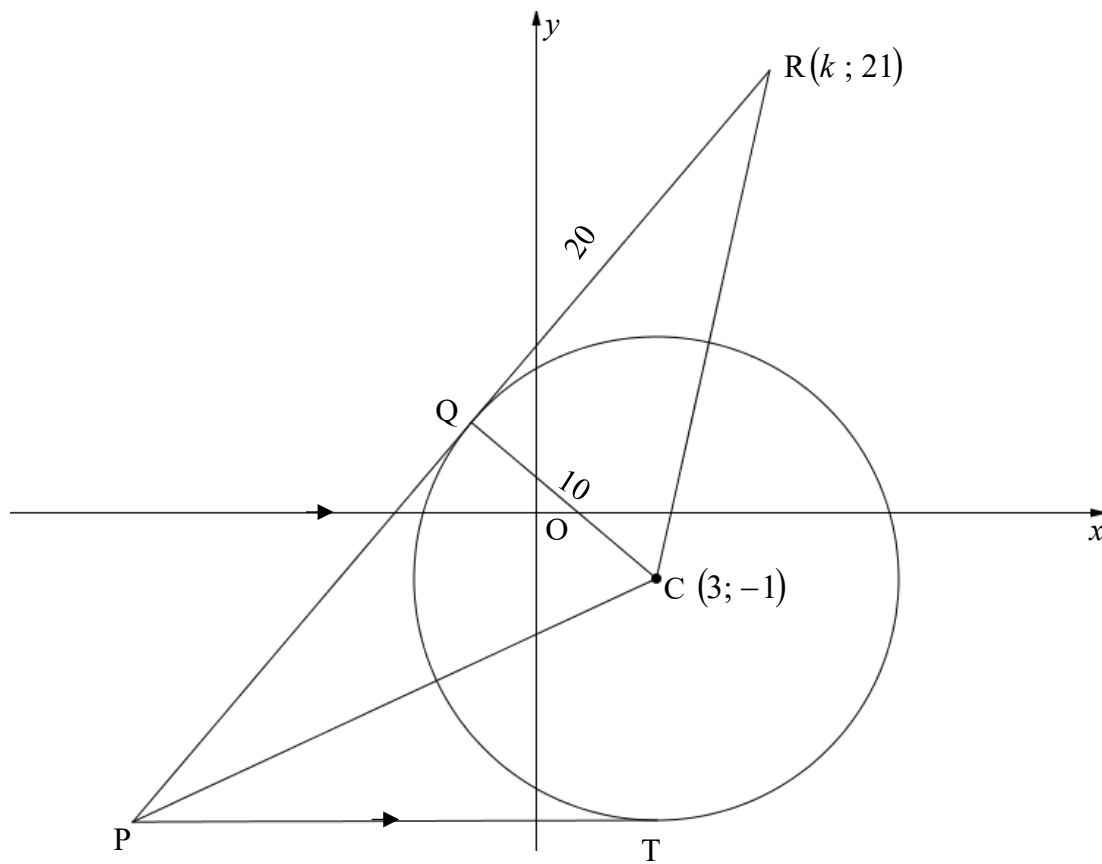


	Solution/Oplissing	Marks/ Punte
3.1		(2)
3.2		(2)

	Solution/<i>Oplossing</i>	Marks/ <i>Punte</i>
3.3		(3)
3.4		(2)
3.5		(2)

	Solution/<i>Oplossing</i>	Marks/ <i>Punte</i>
3.6		(3)
3.7		(4)
		[18]

QUESTION 4/VRAAG 4



	Solution/Oplossing	Marks/ Punte
4.1		(1)
4.2		(2)

	Solution/<i>Oplossing</i>	Marks/ <i>Punte</i>
4.3		(4)
4.4		(2)
4.5		(2)
4.6.1		(2)

	Solution/<i>Oplossing</i>	Marks/ <i>Punte</i>
4.6.2		(2)
4.6.3		(3)
4.7.1		(1)
4.7.2		(1)
4.7.3		(3)
		[23]

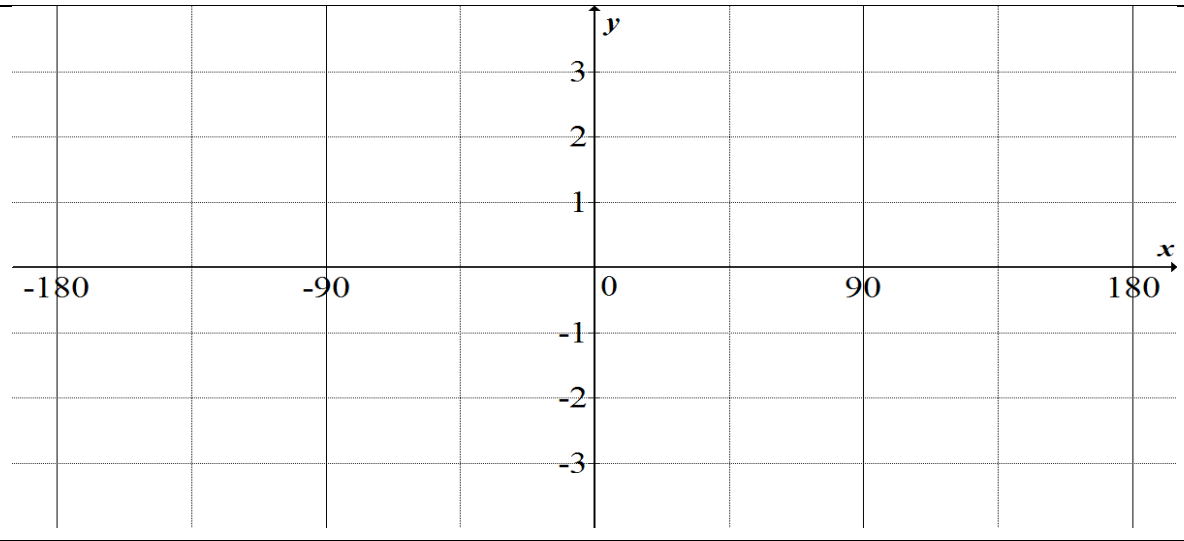
QUESTION 5/VRAAG 5

	Solution/<i>Oplossing</i>	Marks/ <i>Punte</i>
5.1.1		(2)
5.1.2		(4)
5.1.3		(3)

	Solution/<i>Oplossing</i>	Marks/ <i>Punte</i>
5.2.1		(6)
5.2.2		(1)
5.3		(5)

	Solution/Oplissing	Marks/ Punte
5.4.1		(5)
5.4.2		(3)
		[29]

QUESTION 6/VRAAG 6

	Solution/Oplissing	Marks/ Punte
6.1		
		(6)
6.2.1		(1)
6.2.2		
		(2)
6.2.3		
		(2)
6.2.4		(1)
		[12]

QUESTION 7/VRAAG 7

	Solution/Oplossing	Marks/ Punte
7.1		(1)
7.2		(3)

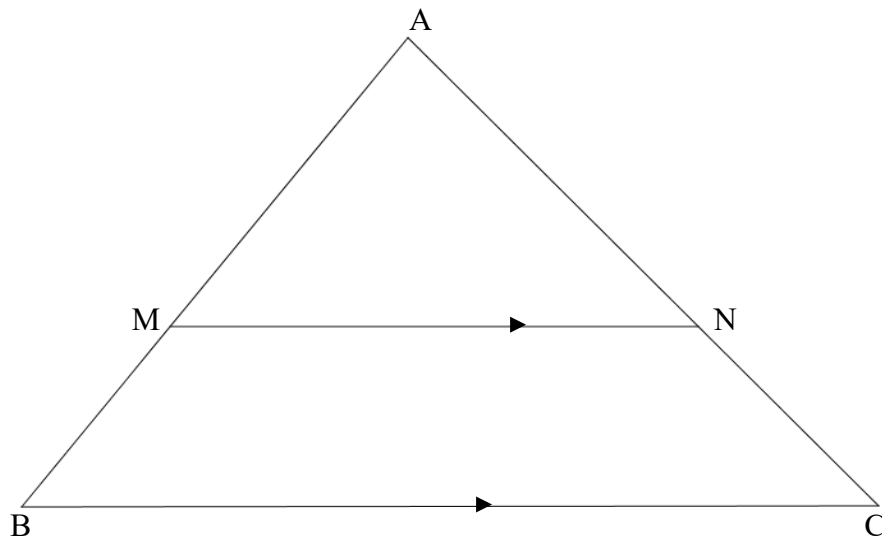
	Solution/<i>Oplossing</i>	Marks/ <i>Punte</i>
7.3		
		(5)
		[9]

QUESTION 8/VRAAG 8

	Solution/Oplissing	Marks/ Punte
8.1.1		(2)
8.1.2		(2)
8.1.3		(3)

	Solution/<i>Oplossing</i>	Marks/ <i>Punte</i>
8.1.4		(3)
8.1.5		(2)
8.1.6		(3)
8.2		(2)
		[17]

QUESTION 9/VRAAG 9



	Solution/Oplissing	Marks/ Punte
9.1		(5)

	Solution/Oplossing	Marks/ Punte
	<p>The diagram shows a triangle PQR. Point F lies on side PR, and point G also lies on side PR. A line segment QF is drawn from vertex Q to point F, and a line segment QE is drawn from vertex Q to point E on side QR. Arrows on QF and QE indicate they are parallel. The length of segment FR is labeled as 10, and the length of segment GR is labeled as 49.</p>	
9.2.1	<div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div>	(4)

	Solution/ <i>Oplossing</i>	Marks/ <i>Punte</i>
9.2.2		
		(3)
		[12]

	Solution/<i>Oplossing</i>	Marks/ <i>Punte</i>
10.2		(4)
10.3		(3)
		[10]

TOTAL/TOTAAL: 150

[illegible]

