



Province of the  
**EASTERN CAPE**  
EDUCATION



LEARNER'S NAME:  
*LEERDER SE NAAM:*

GRADE 11  
*GRAAD 11*

**NATIONAL/NASIONALE  
SENIOR  
CERTIFICATE/SERTIFIKAAT**

**GRADE 11/GRAAD 11**

**NOVEMBER 2023**

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

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

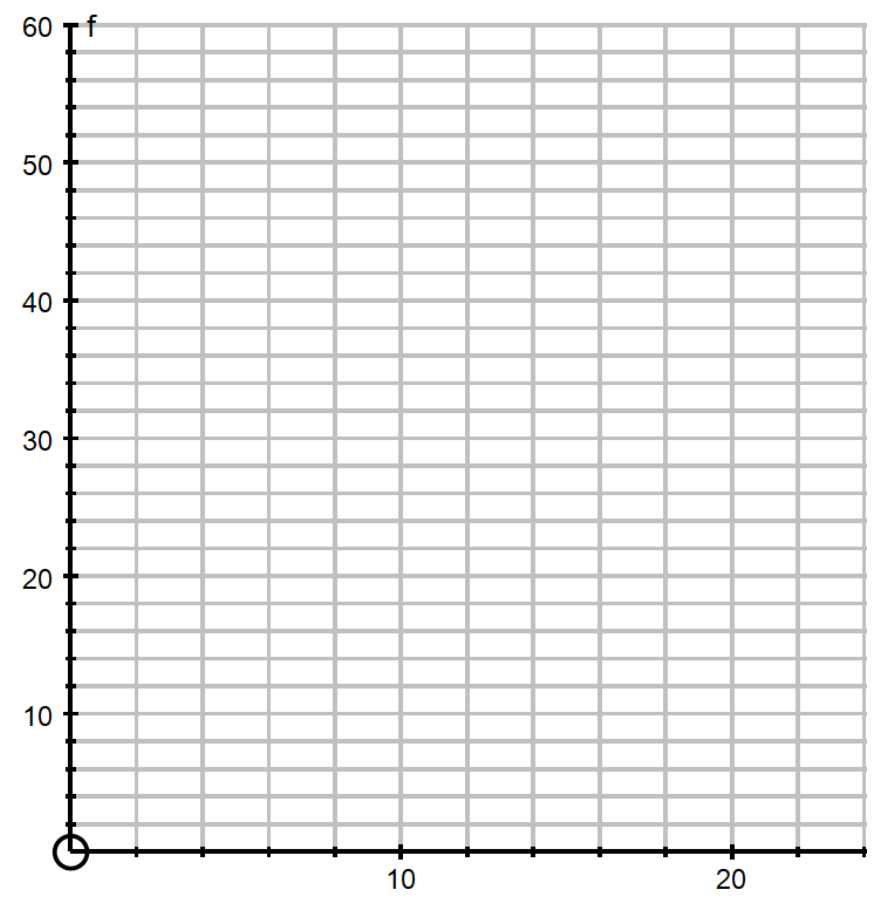
This special answer book consists of 20 pages.  
*Hierdie spesiale antwoordeboek bestaan uit 20 bladsye.*

## QUESTION 1/VRAAG 1

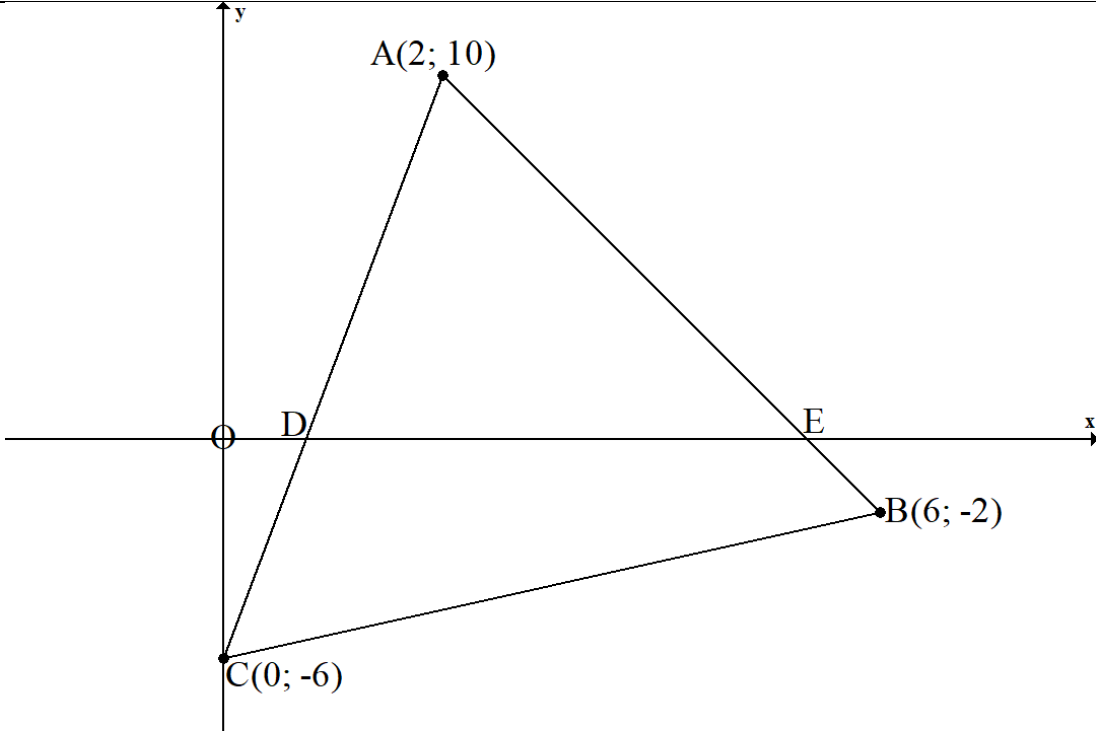


1.1		(1)
1.2		(1)
1.3		(2)
1.4.1		(1)
1.4.2		(2)
		<b>[7]</b>

## QUESTION 2/VRAAG 2

2.1	<table border="1"> <thead> <tr> <th>Time waiting / <i>Wagtyd</i> (minutes / <i>minute</i>)</th><th>Number of learners <i>Aantal leerders</i></th><th>Cumulative frequency <i>Kumulatiewe frekwensie</i></th></tr> </thead> <tbody> <tr> <td><math>0 &lt; x \leq 4</math></td><td>6</td><td></td></tr> <tr> <td><math>4 &lt; x \leq 8</math></td><td>10</td><td></td></tr> <tr> <td><math>8 &lt; x \leq 12</math></td><td>19</td><td></td></tr> <tr> <td><math>12 &lt; x \leq 16</math></td><td>15</td><td></td></tr> <tr> <td><math>16 &lt; x \leq 20</math></td><td>5</td><td></td></tr> </tbody> </table>	Time waiting / <i>Wagtyd</i> (minutes / <i>minute</i> )	Number of learners <i>Aantal leerders</i>	Cumulative frequency <i>Kumulatiewe frekwensie</i>	$0 < x \leq 4$	6		$4 < x \leq 8$	10		$8 < x \leq 12$	19		$12 < x \leq 16$	15		$16 < x \leq 20$	5		(2)
Time waiting / <i>Wagtyd</i> (minutes / <i>minute</i> )	Number of learners <i>Aantal leerders</i>	Cumulative frequency <i>Kumulatiewe frekwensie</i>																		
$0 < x \leq 4$	6																			
$4 < x \leq 8$	10																			
$8 < x \leq 12$	19																			
$12 < x \leq 16$	15																			
$16 < x \leq 20$	5																			
2.2		(4)																		
2.3																				
		(3)																		
2.4		(1)																		
2.5																				
		(3)																		
[13]																				

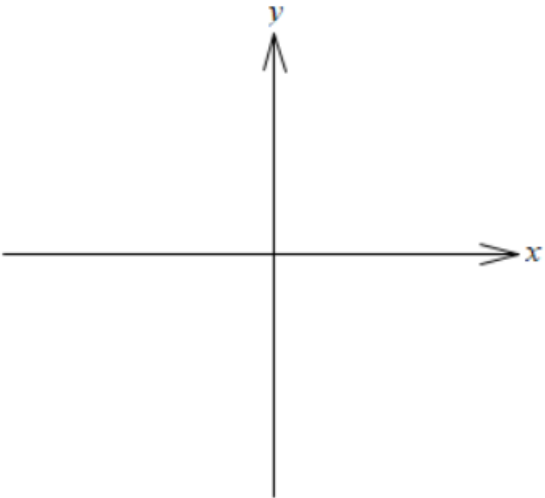
## QUESTION 3/VRAAG 3

3.1	<div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div>	
3.2		(5)
3.2.1	<div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div>	(2)

3.2.2		(2)
3.2.3		(2)
		(2)
3.2.4		(3)

3.2.5		(5)
3.2.6		(6)
3.2.7		(5)
		<b>[30]</b>

**QUESTION 4/VRAAG 4**

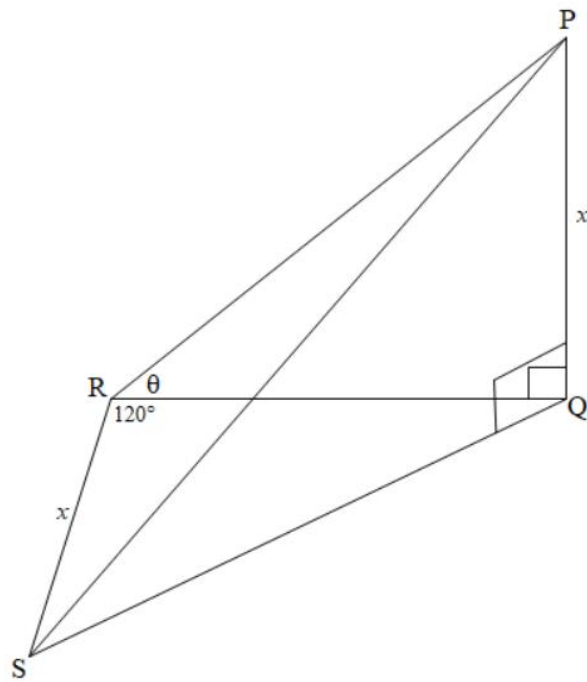
4.1		
4.2.1		(6)
		(3)

4.2.2		(2)
4.3		(7)



4.4		(5)
4.5		(6)
		[29]

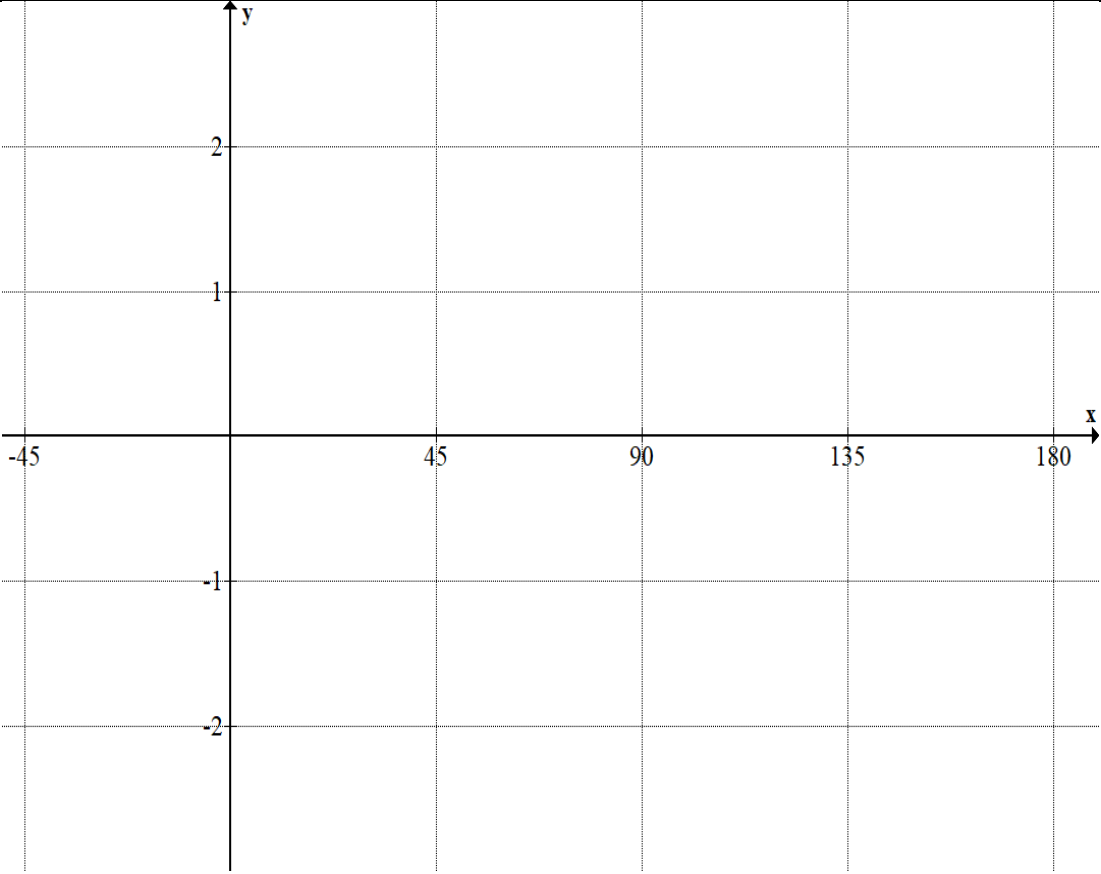
## QUESTION 5/VRAAG 5



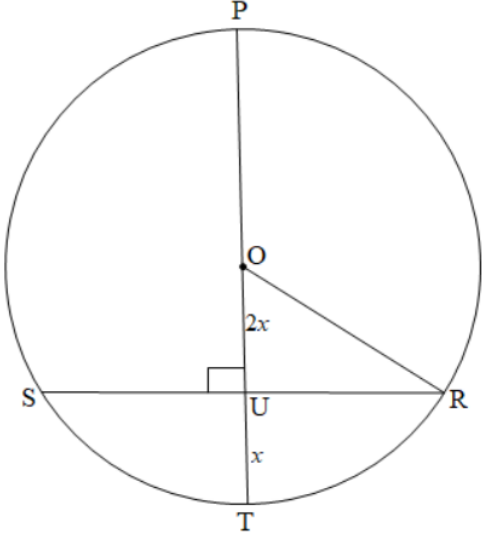
5.1		(2)
5.2		(4)

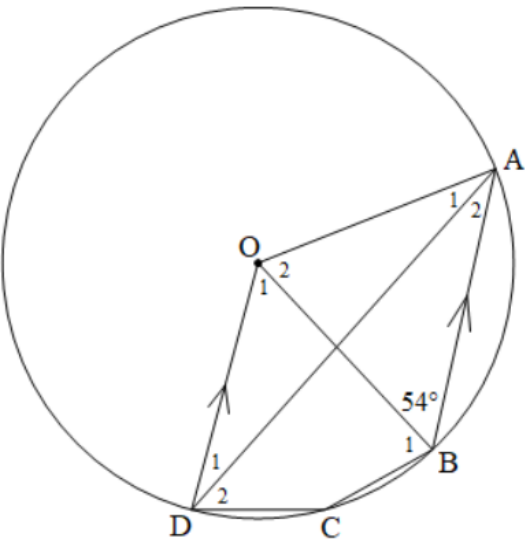
5.3.1		(2)
5.3.2		(2)
		[10]

**QUESTION 6/VRAAG 6**

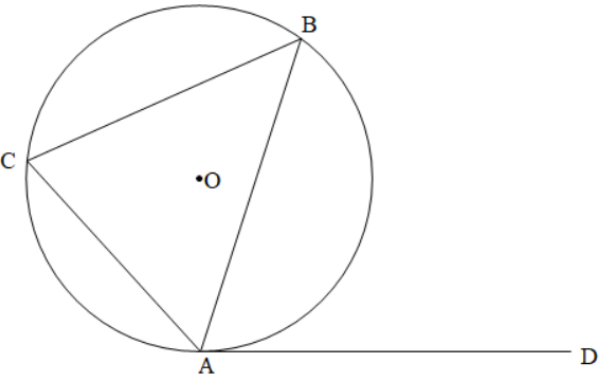
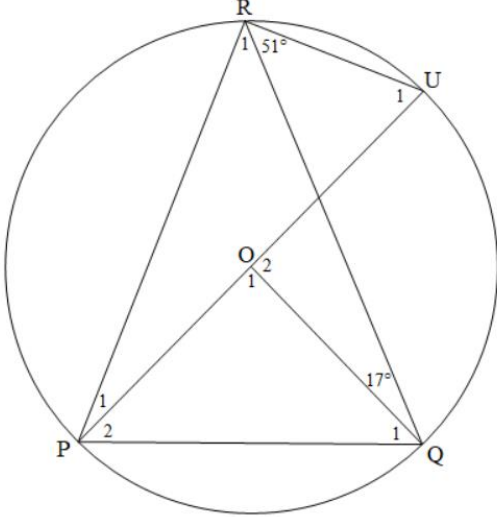
6.1		(6)
6.2.1		(1)
6.2.2		(3)
6.3		(2)
		<b>[12]</b>

## QUESTION 7/VRAAG 7

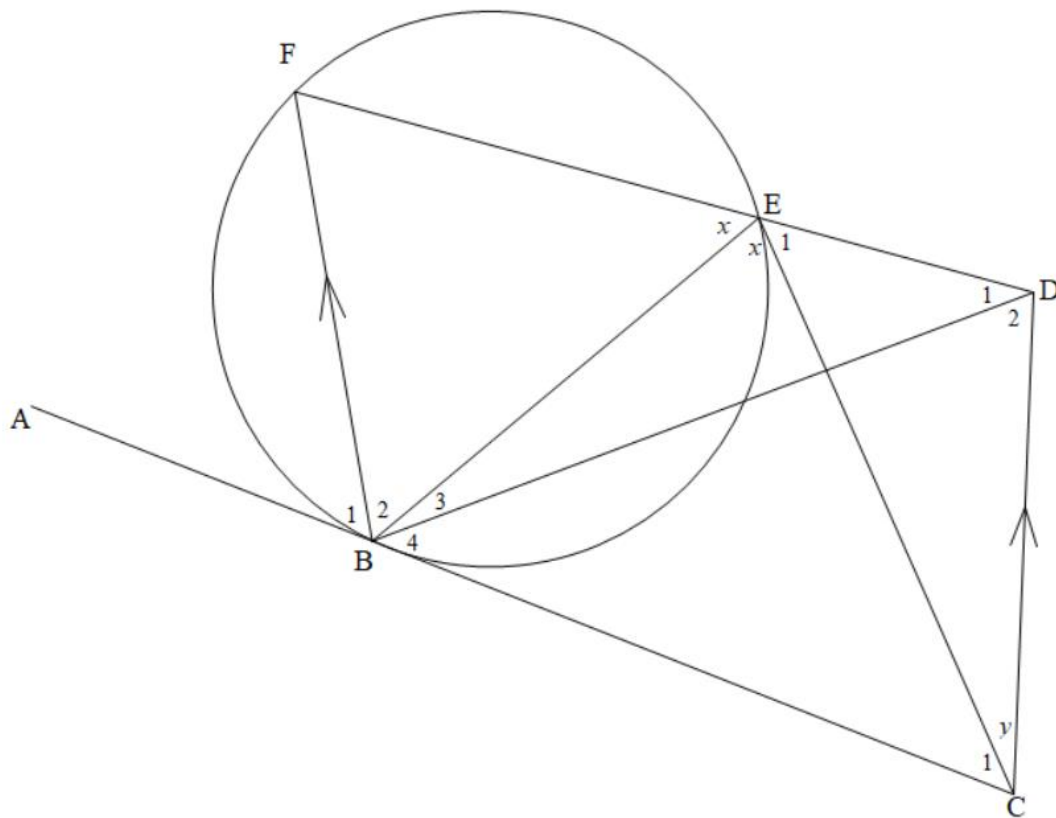
7.1		
7.1.1	<div></div> <div></div> <div></div>	(1)
7.1.2	<div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div>	(5)

7.2		
7.2.1		(4)
7.2.2		(2)
7.2.3		(3)
		[15]

## QUESTION 8/VRAAG 8

8.1		
8.2		(5)
8.2.1		(2)
8.2.2		(2)
8.2.3		(2)
8.2.4		(2)
		<b>[13]</b>

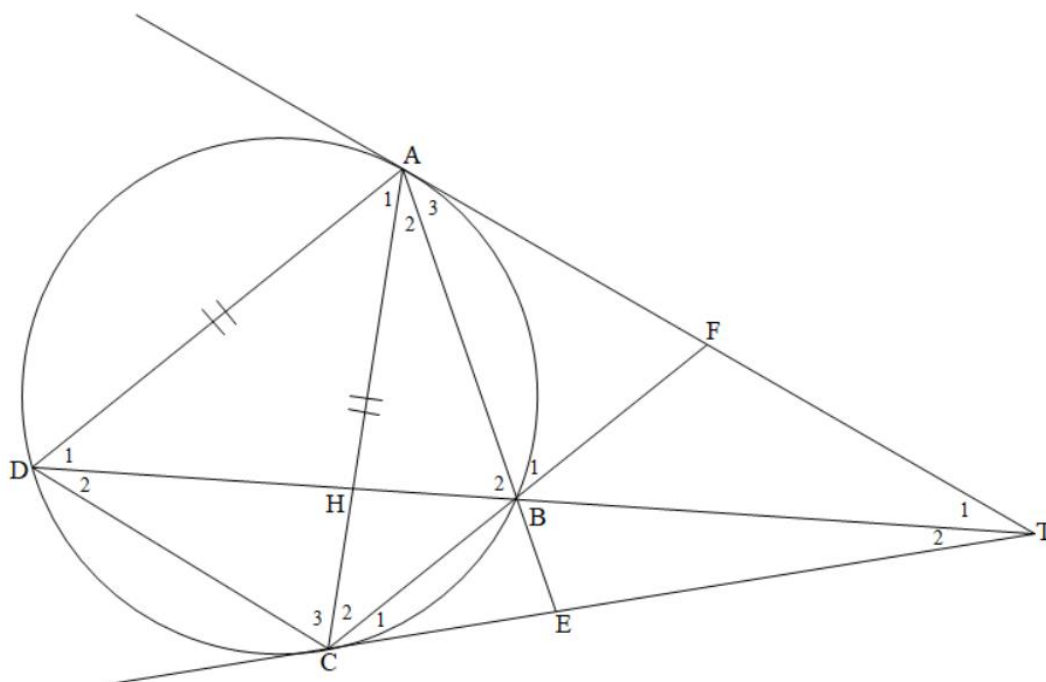
## QUESTION 9/VRAAG 9



9.1.1		(2)
9.1.2		(2)
9.2		(1)
9.3		(4)
		[9]



## QUESTION 10/VRAAG 10



10.1		(4)
10.2		(3)

10.3		(5)
		[12]

**TOTAL/TOTAAL: 150**

[illegible]

**Additional Space/Addisionele ruimte**