



<b>LEARNER'S NAME:</b> <i>LEERDER SE NAAM:</i>	
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<b>GRADE 12:</b> <i>GRAAD 12:</i>	
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**NATIONAL/NASIONALE  
SENIOR  
CERTIFICATE/SERTIFIKAAT**

**GRADE/GRAAD 12**

**JUNE/JUNIE 2022**

**MATHEMATICS P2/WISKUNDE V2  
SPECIAL ANSWER BOOK/SPEZIALE 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										
11										
<b>TOTAL TOTAAL</b>										

This special answer book consists of 19 pages.  
*Hierdie spesiale antwoordeboek bestaan uit 19 bladsye.*

## QUESTION/VRAAG 1

1.1		(1)
1.2		(1)
1.3		(1)
1.4		(1)
1.5		(1)
		<b>[5]</b>

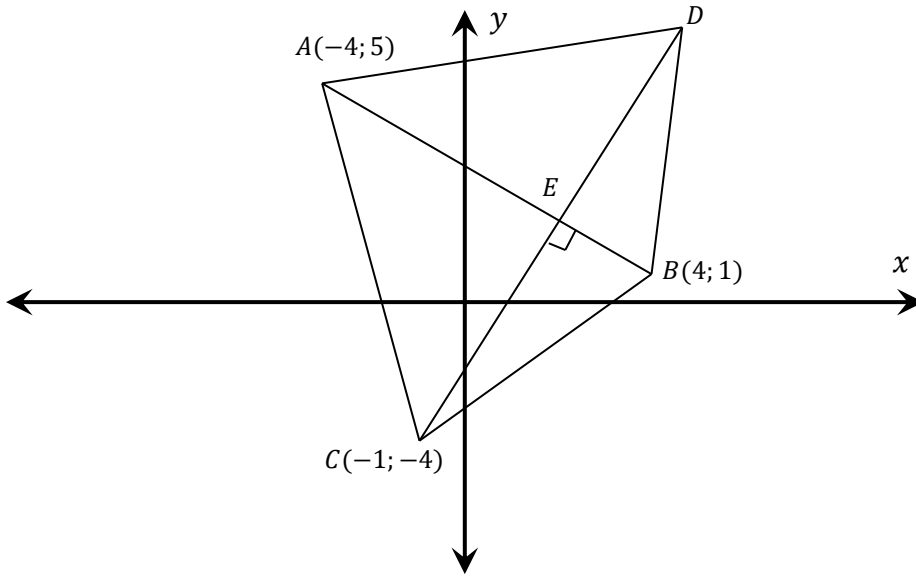
## QUESTION/VRAAG 2

2.1	<table border="1"> <thead> <tr> <th>Time taken / <i>Tyd geneem</i></th> <th>No. of pupils <i>Aantal leerlinge</i></th> <th>Cumulative frequency <i>Kummulatiewe frekwensie</i></th> </tr> </thead> <tbody> <tr> <td><math>60 \leq t \leq 90</math></td> <td>3</td> <td></td> </tr> <tr> <td><math>90 \leq t \leq 120</math></td> <td>6</td> <td></td> </tr> <tr> <td><math>120 \leq t \leq 150</math></td> <td>7</td> <td></td> </tr> <tr> <td><math>150 \leq t \leq 180</math></td> <td>8</td> <td></td> </tr> <tr> <td><math>180 \leq t \leq 210</math></td> <td>6</td> <td></td> </tr> </tbody> </table>	Time taken / <i>Tyd geneem</i>	No. of pupils <i>Aantal leerlinge</i>	Cumulative frequency <i>Kummulatiewe frekwensie</i>	$60 \leq t \leq 90$	3		$90 \leq t \leq 120$	6		$120 \leq t \leq 150$	7		$150 \leq t \leq 180$	8		$180 \leq t \leq 210$	6		(1)
Time taken / <i>Tyd geneem</i>	No. of pupils <i>Aantal leerlinge</i>	Cumulative frequency <i>Kummulatiewe frekwensie</i>																		
$60 \leq t \leq 90$	3																			
$90 \leq t \leq 120$	6																			
$120 \leq t \leq 150$	7																			
$150 \leq t \leq 180$	8																			
$180 \leq t \leq 210$	6																			
2.2	<p style="text-align: center;">Time taken to complete course <i>Tyd geneem om baan te voltooi</i></p>	(4)																		
2.3.1		(1)																		
2.3.2		(1)																		
2.3.3		(1)																		
		<b>[8]</b>																		

**QUESTION/VRAAG 3**

3.1		(1)
3.2		(3)
3.3		(2)
		<b>[6]</b>

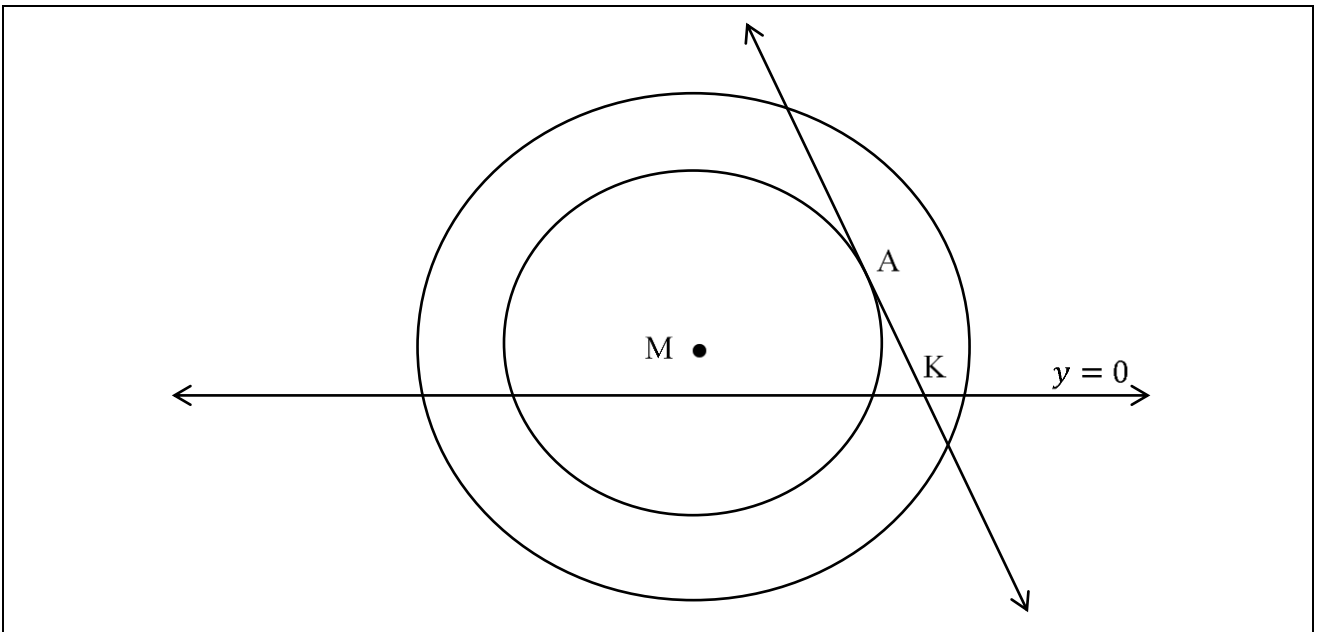
QUESTION 4/VRAAG 4



4.1		(2)
4.2		(4)
4.3		(6)

4.4		(2)
4.5		(4)
4.6		(6)
		<b>[24]</b>

QUESTION 5/VRAAG 5



5.1		(4)

5.2		(5)

5.3		(3)
5.4		(1)
5.5		(3)
		<b>[16]</b>

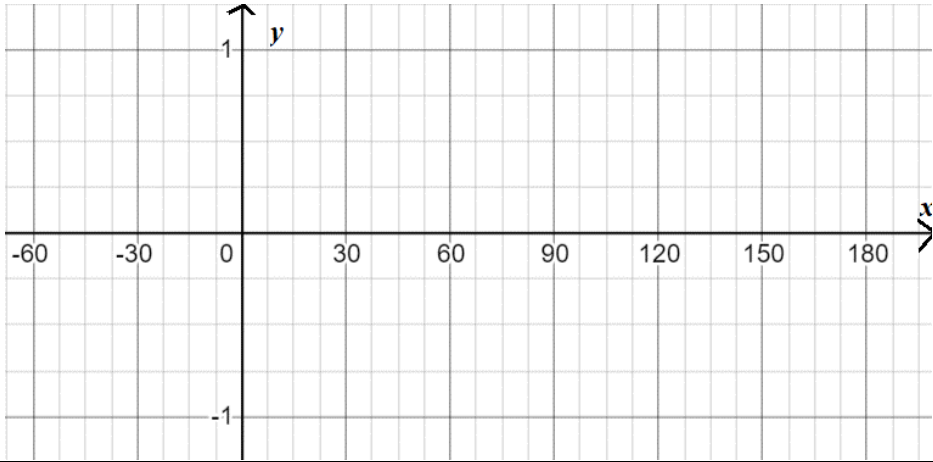
**QUESTION 6/VRAAG 6**

6.1	Draw your sketch here / <i>Teken jou skets hier.</i>	Do your calculations here / <i>Doen jou berekeninge hier.</i>	
6.1.1			(3)
6.1.2			(3)

6.1.3		
		(4)
6.2		
		(5)
6.3		
		(3)
6.4		
		(6)
	[24]	



QUESTION 7/VRAAG 7

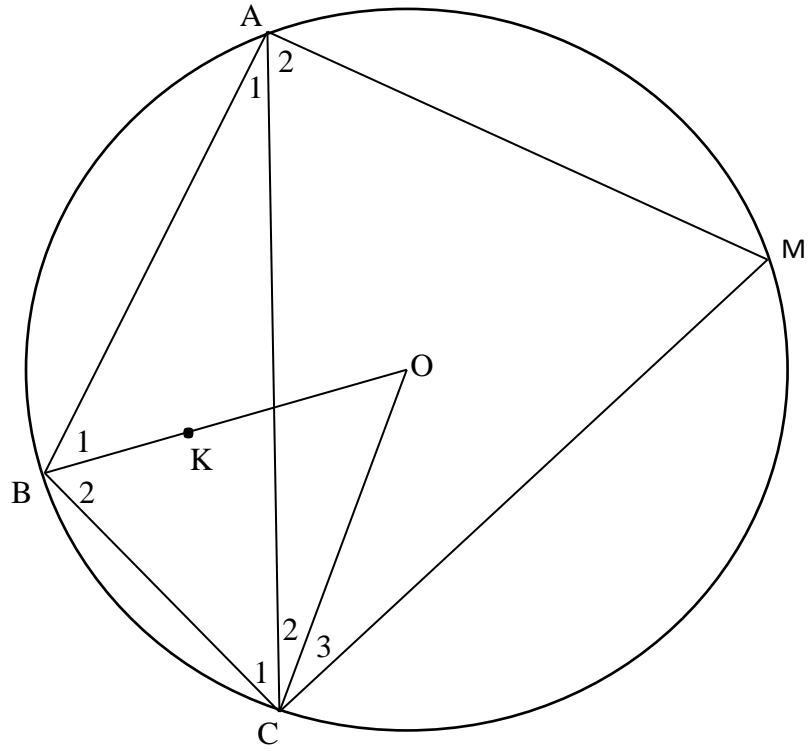
7.1		
7.2		(7)
7.3		(6)
		(4)
		<b>[17]</b>

QUESTION 8/VRAAG 8

8.1		(1)
8.2		(1)
8.3		(1)
8.4		(3)
8.5		(3)
		<b>[9]</b>

QUESTION 9/VRAAG 9

9.1		(1)											
9.2	<table border="1"><tr><td> </td></tr><tr><td> </td></tr><tr><td> </td></tr><tr><td> </td></tr><tr><td> </td></tr><tr><td> </td></tr><tr><td> </td></tr><tr><td> </td></tr><tr><td> </td></tr><tr><td> </td></tr><tr><td> </td></tr></table>												(6)



9.3.1

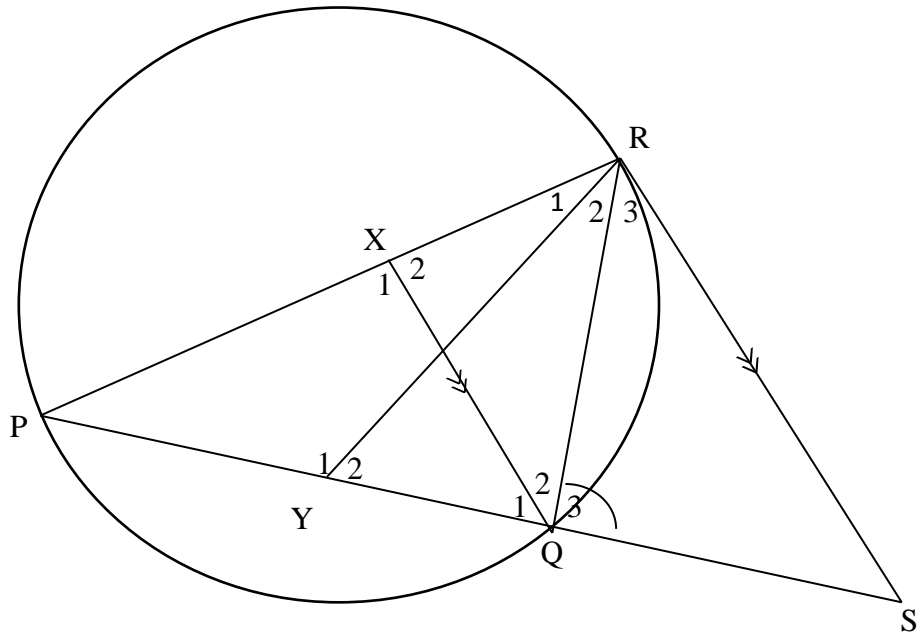

(5)

9.3.2


(3)

[15]

QUESTION 10/VRAAG 10



10.1


(6)

10.2


(3)

[9]

QUESTION 11/VRAAG 11

11.1	<div style="border-bottom: 1px solid black; height: 20px;"></div> <div style="border-bottom: 1px solid black; height: 20px;"></div> <div style="border-bottom: 1px solid black; height: 20px;"></div> <div style="border-bottom: 1px solid black; height: 20px;"></div> <div style="border-bottom: 1px solid black; height: 20px;"></div> <div style="border-bottom: 1px solid black; height: 20px;"></div> <div style="border-bottom: 1px solid black; height: 20px;"></div> <div style="border-bottom: 1px solid black; height: 20px;"></div> <div style="border-bottom: 1px solid black; height: 20px;"></div> <div style="border-bottom: 1px solid black; height: 20px;"></div> <div style="border-bottom: 1px solid black; height: 20px;"></div> <div style="border-bottom: 1px solid black; height: 20px;"></div> <div style="border-bottom: 1px solid black; height: 20px;"></div>	(6)

11.2									
11.2.1	<table border="1" style="width: 100%; height: 100%;"> <tr><td style="height: 20px;"></td></tr> <tr><td style="height: 20px;"></td></tr> <tr><td style="height: 20px;"></td></tr> <tr><td style="height: 20px;"></td></tr> </table>					(3)			
11.2.2	<table border="1" style="width: 100%; height: 100%;"> <tr><td style="height: 20px;"></td></tr> <tr><td style="height: 20px;"></td></tr> <tr><td style="height: 20px;"></td></tr> </table>				(2)				
11.2.3	<table border="1" style="width: 100%; height: 100%;"> <tr><td style="height: 20px;"></td></tr> <tr><td style="height: 20px;"></td></tr> <tr><td style="height: 20px;"></td></tr> <tr><td style="height: 20px;"></td></tr> <tr><td style="height: 20px;"></td></tr> <tr><td style="height: 20px;"></td></tr> <tr><td style="height: 20px;"></td></tr> </table>								(6)
		<b>[17]</b>							

**TOTAL/TOTAAL: 150**









