



LEARNER'S NAME: <i>LEERDER SE NAAM:</i>	
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GRADE 11/GRAAD 11	
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**NATIONAL/NASIONALE
SENIOR
CERTIFICATE/SERTIFIKAAT**

GRADE 11/GRAAD 11

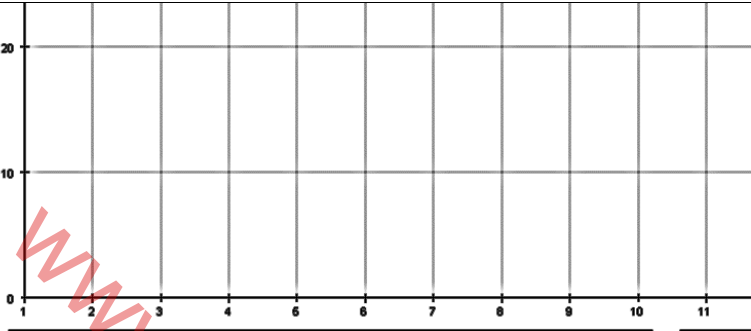
NOVEMBER 2022

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

Marker/Merker			Moderator's initials / Moderator se voorletters											
Question Vraag	Mark Punt	Initial Voorletters	Marks Punte	S M	Marks Punte	D M	Marks Punte	P M	Marks Punte	N M				
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.

QUESTION 1/VRAAG 1

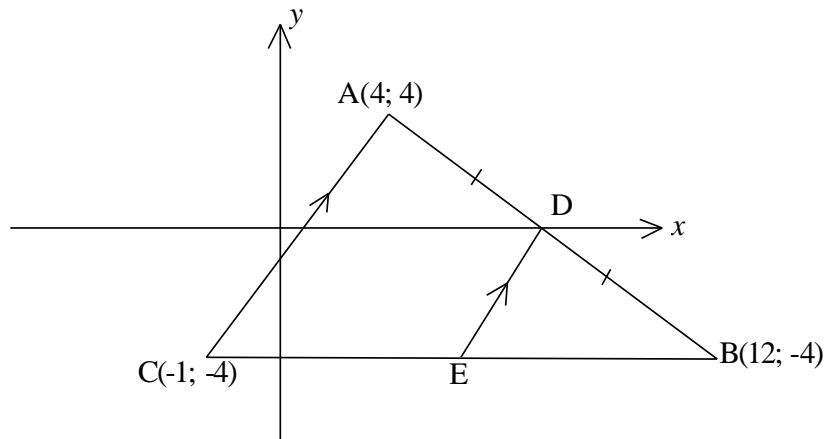
1.1		(1)
1.2		(2)
1.3		(2)
1.4		(2)
1.5		(2)
1.6		(2)

[11]

QUESTION 2/VRAAG 2

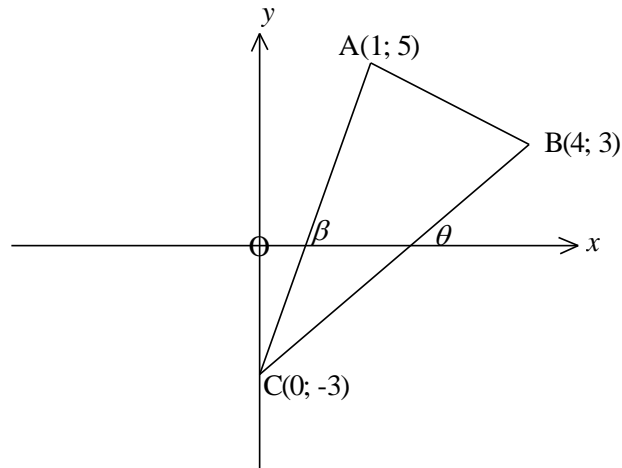
2.1	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="padding: 5px;">Age <i>Ouderdom</i></th> <th style="padding: 5px;">Frequency <i>Frekwensie</i></th> <th style="padding: 5px;">Cumulative Frequency <i>Kumulatiewe Frekwensie</i></th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;">$25 < A \leq 30$</td> <td style="padding: 5px;">2</td> <td style="padding: 5px;"></td> </tr> <tr> <td style="padding: 5px;">$30 < A \leq 35$</td> <td style="padding: 5px;">8</td> <td style="padding: 5px;"></td> </tr> <tr> <td style="padding: 5px;">$35 < A \leq 40$</td> <td style="padding: 5px;">4</td> <td style="padding: 5px;"></td> </tr> <tr> <td style="padding: 5px;">$40 < A \leq 45$</td> <td style="padding: 5px;">5</td> <td style="padding: 5px;"></td> </tr> <tr> <td style="padding: 5px;">$45 < A \leq 50$</td> <td style="padding: 5px;">11</td> <td style="padding: 5px;"></td> </tr> <tr> <td style="padding: 5px;">$50 < A \leq 55$</td> <td style="padding: 5px;">19</td> <td style="padding: 5px;"></td> </tr> <tr> <td style="padding: 5px;">$55 < A \leq 60$</td> <td style="padding: 5px;">20</td> <td style="padding: 5px;"></td> </tr> <tr> <td style="padding: 5px;">$60 < A \leq 65$</td> <td style="padding: 5px;">6</td> <td style="padding: 5px;"></td> </tr> </tbody> </table>	Age <i>Ouderdom</i>	Frequency <i>Frekwensie</i>	Cumulative Frequency <i>Kumulatiewe Frekwensie</i>	$25 < A \leq 30$	2		$30 < A \leq 35$	8		$35 < A \leq 40$	4		$40 < A \leq 45$	5		$45 < A \leq 50$	11		$50 < A \leq 55$	19		$55 < A \leq 60$	20		$60 < A \leq 65$	6		(2)
Age <i>Ouderdom</i>	Frequency <i>Frekwensie</i>	Cumulative Frequency <i>Kumulatiewe Frekwensie</i>																											
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$55 < A \leq 60$	20																												
$60 < A \leq 65$	6																												
2.2	<p style="text-align: center;">Age of Teachers <i>Ouderdom van Onderwysers</i></p>	(4)																											
2.3	<table border="1" style="width: 100%; height: 100px; border-collapse: collapse;"> <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>					(2)																							
2.4	<table border="1" style="width: 100%; height: 100px; border-collapse: collapse;"> <tr><td style="height: 20px;"></td></tr> <tr><td style="height: 20px;"></td></tr> <tr><td style="height: 20px;"></td></tr> </table>				(2)																								
		[10]																											

QUESTION 3/VRAAG 3



3.1		(2)
3.2		(2)
3.3		(4)
3.4		(3)
		[11]

QUESTION 4/VRAAG 4

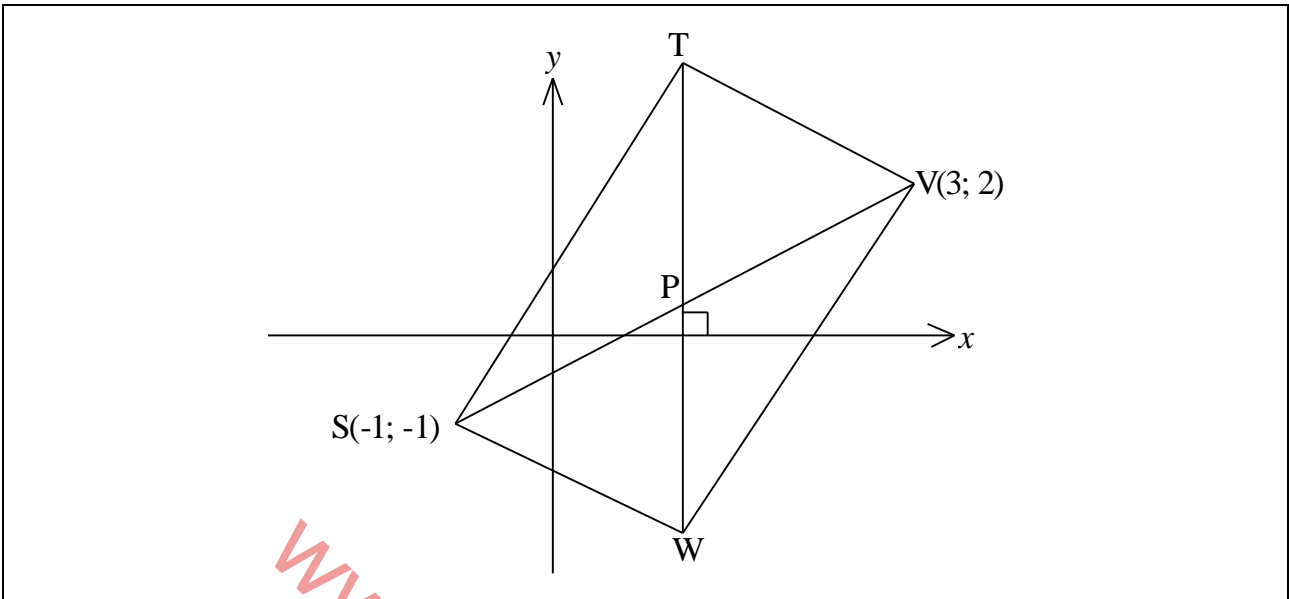


4.1	<p style="text-align: center; color: red; font-size: 2em; opacity: 0.3;">www.mycourses.co.za</p>	(2)
4.2	<p style="text-align: center; color: red; font-size: 2em; opacity: 0.3;">www.mycourses.co.za</p>	(5)

4.3		
		(5)
		[12]

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QUESTION 5/VRAAG 5



		(6)
		[6]

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>	
			(5)
6.2.1			
			(2)
6.2.2			
			(2)
6.2.3			
			(2)

6.3.1		(7)
6.3.2		(6)

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6.4		(5)
6.5		(7)

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6.6		
	(5)	
	[41]	

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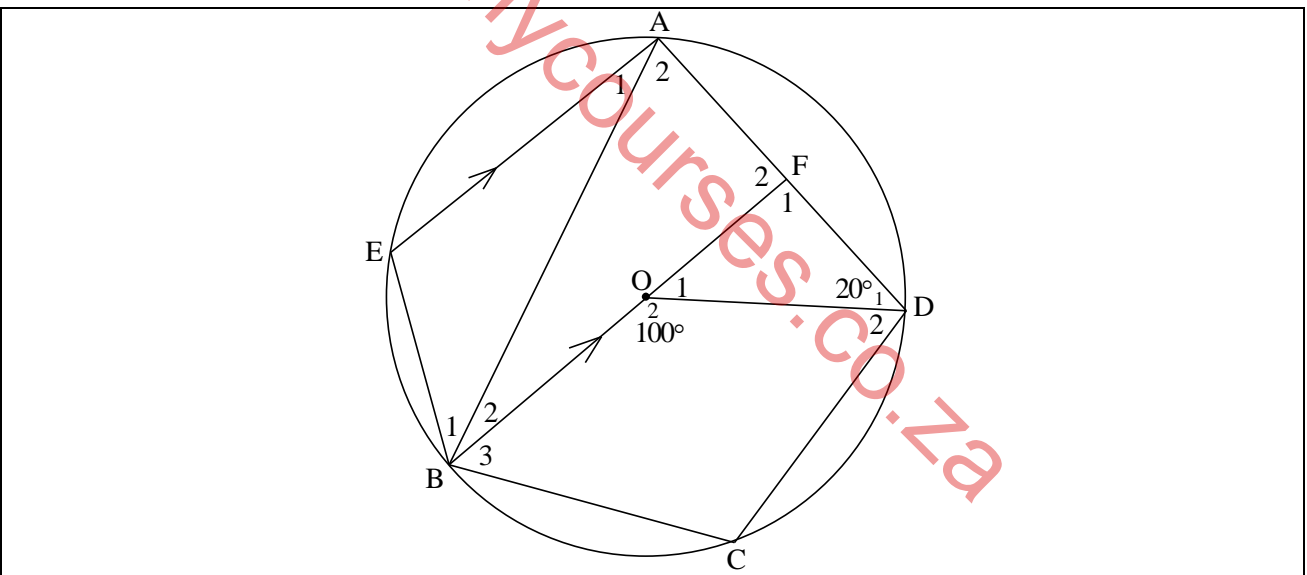
QUESTION 7/VRAAG 7

7.1		(1)
7.2		(3)
7.3		(5)
		[9]

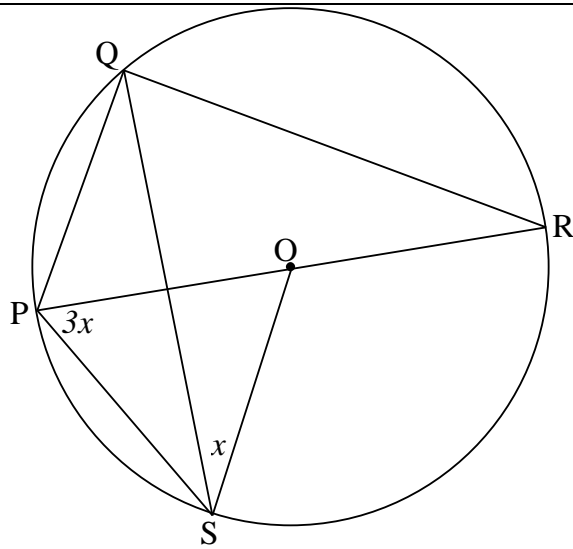
QUESTION 8/VRAAG 8

8.1		(2)
8.2		(2)
8.3		(3)
8.4		(1)
		[8]

QUESTION 9/VRAAG 9



9.1	Statement <i>Stelling</i>	Reason/ <i>Rede</i>
9.1.1	$\hat{A}_2 = 50^\circ$	
9.1.2	$\hat{O}_1 = 80^\circ$	
9.1.3	$\hat{F}_1 = 80^\circ$	
9.1.4	$\hat{A}_1 = 30^\circ$	
9.1.5	$\hat{B}_2 = 30^\circ$	
(5)		



9.2.1

(2)

9.2.2

(3)

9.2.3

(3)

9.2.4

(2)

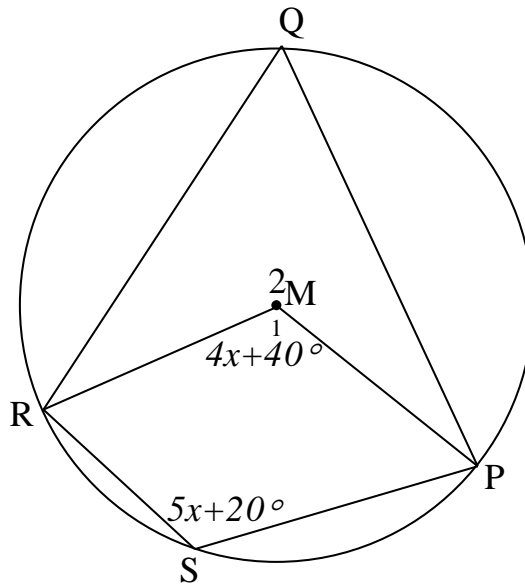
9.2.5

(2)

[17]

QUESTION 10/VRAAG 10

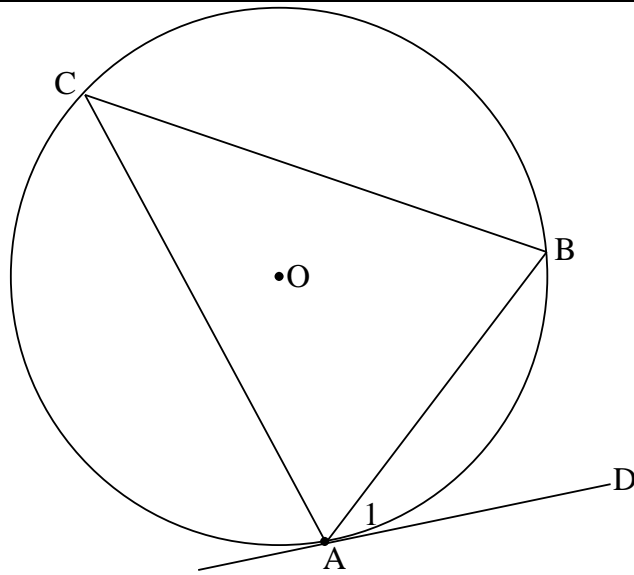
10.1



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(5)

10.2



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(6)

10.3.3		
		[25]
	TOTAL/TOTAAL:	150

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