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GRADE 12
GRAAD 12

**NATIONAL/NASIONALE
SENIOR
CERTIFICATE/SERTIFIKAAT**

GRADE 12/GRAAD 12

JUNE/JUNIE 2023

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

Marker/Merker				Moderator's Initial / Moderator se paraaf											
Question Vraag	Mark Punt		Initial Parafeer	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															

*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 22 pages.
Hierdie spesiale antwoordeboek bestaan uit 22 bladsye.

QUESTION 1/VRAAG 1

	Solution/Oplossing	Marks/ Punte
1.1		(2)
1.2		(2)
1.3		(2)
1.4		(2)
		[8]

QUESTION 2/VRAAG 2

	Solution/Oplissing	Marks/ Punte																											
2.1	<table border="1"> <thead> <tr> <th>Hours / Ure</th><th>Number of dads <i>Aantal Pa's</i></th><th>Cumulative frequency <i>Kumulatiewe frekwensie</i></th></tr> </thead> <tbody> <tr> <td>$0 < x \leq 5$</td><td>1</td><td></td></tr> <tr> <td>$5 < x \leq 10$</td><td>18</td><td></td></tr> <tr> <td>$10 < x \leq 15$</td><td>24</td><td></td></tr> <tr> <td>$15 < x \leq 20$</td><td>25</td><td></td></tr> <tr> <td>$20 < x \leq 25$</td><td>18</td><td></td></tr> <tr> <td>$25 < x \leq 30$</td><td>12</td><td></td></tr> <tr> <td>$30 < x \leq 35$</td><td>1</td><td></td></tr> <tr> <td>$35 < x \leq 40$</td><td>1</td><td></td></tr> </tbody> </table>	Hours / Ure	Number of dads <i>Aantal Pa's</i>	Cumulative frequency <i>Kumulatiewe frekwensie</i>	$0 < x \leq 5$	1		$5 < x \leq 10$	18		$10 < x \leq 15$	24		$15 < x \leq 20$	25		$20 < x \leq 25$	18		$25 < x \leq 30$	12		$30 < x \leq 35$	1		$35 < x \leq 40$	1		
Hours / Ure	Number of dads <i>Aantal Pa's</i>	Cumulative frequency <i>Kumulatiewe frekwensie</i>																											
$0 < x \leq 5$	1																												
$5 < x \leq 10$	18																												
$10 < x \leq 15$	24																												
$15 < x \leq 20$	25																												
$20 < x \leq 25$	18																												
$25 < x \leq 30$	12																												
$30 < x \leq 35$	1																												
$35 < x \leq 40$	1																												
	Working dads help working moms. <i>Werkende pa's help werkende ma's</i>	(4)																											

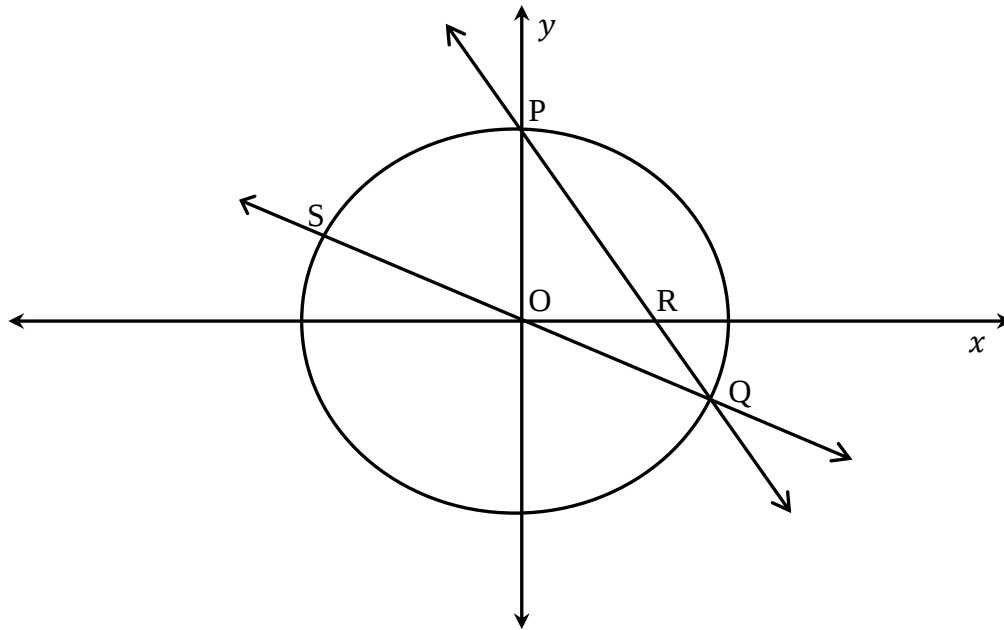
	Solution/Oplossing	Marks/ Punte
2.2		(2)
2.3		(1)
2.4		(2)
2.5		(3)
		[12]

QUESTION 3/VRAAG 3

	Solution/Oplossing	Marks/ Punte
3.1		(3)
3.2		(5)

	Solution/Oplossing	Marks/ Punte
3.3.1		(2)
3.3.2		(3)
3.3.3		(2)
3.3.4		(6)
		[21]

QUESTION 4/VRAAG 4



	Solution/Oplossing	Marks/ Punte
4.1		(7)
4.2		(2)

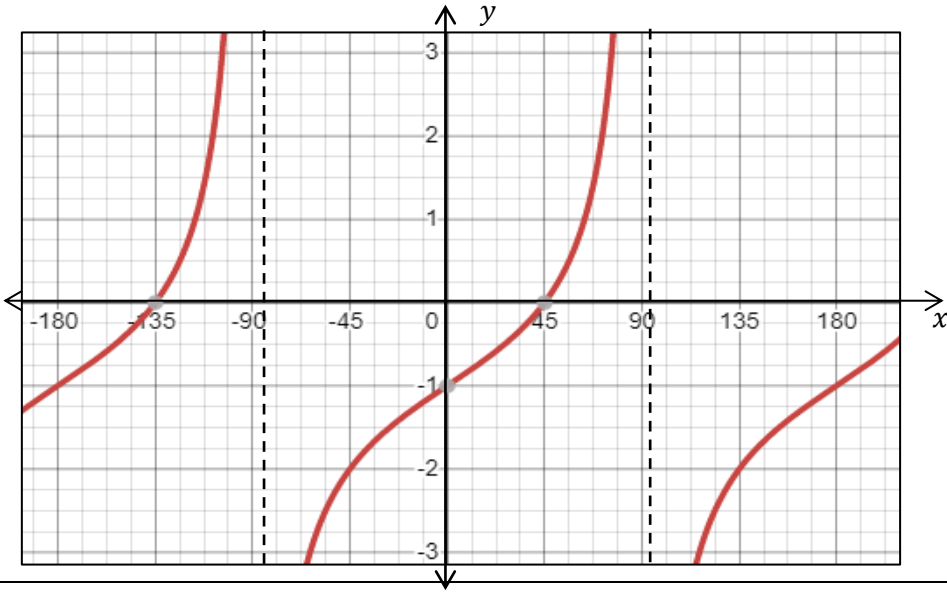
	Solution/Oplossing	Marks/ Punte
4.3		
		(4)
4.4		
		(5)
		[18]

QUESTION 5/VRAAG 5

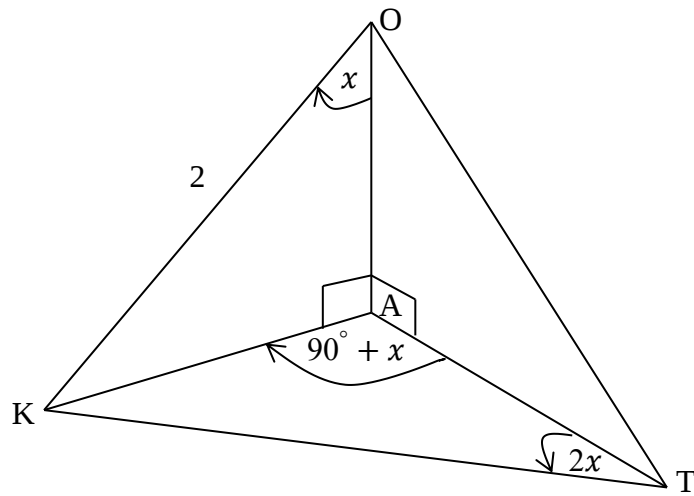
	Solution/Oplissing	Marks/ Punte
5.1		(6)
5.2.1		(2)
5.2.2		(2)
5.2.3		(2)

	Solution/Oplissing	Marks/ Punte
5.3		(6)
5.4		(5)
5.5		(5)
		[28]

QUESTION 6/VRAAG 6

	Solution/Oplossing	Marks/ Punte
6.1		(3)
6.2		(1)
6.3		(1)
6.4		(3)
6.5		(4)
		[12]

QUESTION 7/VRAAG 7

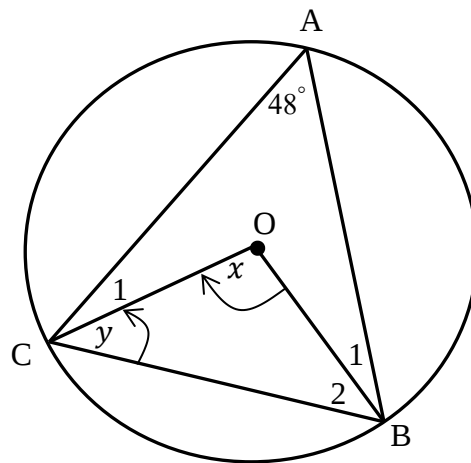


	Solution/Oplossing	Marks/ Punte
7.1		(5)

	Solution/Oplossing	Marks/ Punte
7.2		(2)
7.3		(4)
		[11]

QUESTION 8/VRAAG 8

8.1

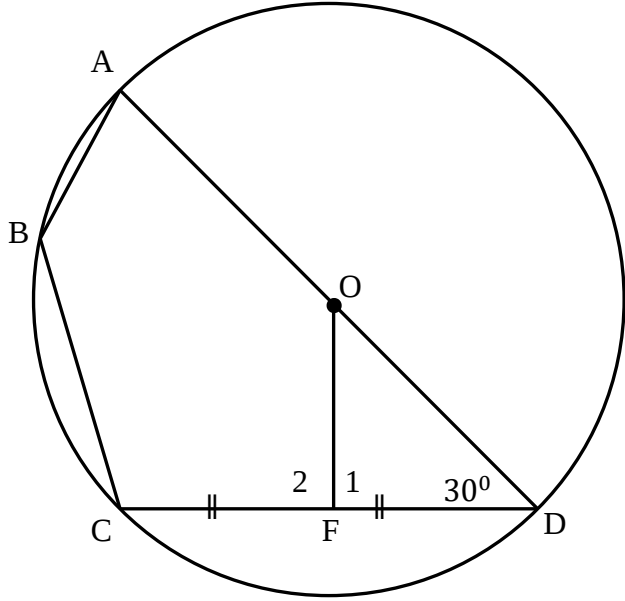
**Solution/Oplossing****Marks/
Punte**

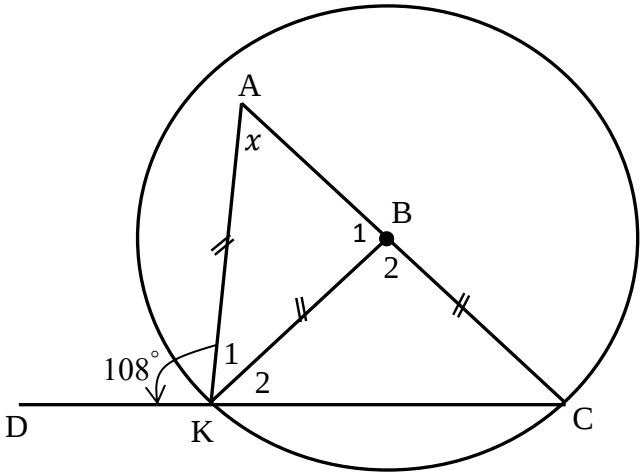
8.1.1

(2)

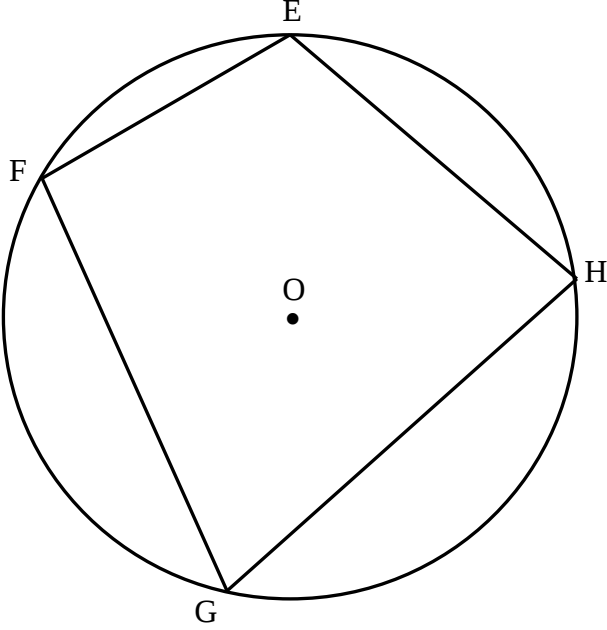
8.1.2

(2)

8.2		
	Solution/Oplissing	Marks/ Punte
8.2.1		(2)
8.2.2		(2)

8.3			
	Solution/Oplissing	Marks/ Punte	
8.3.1			(2)
8.3.2			(3)
8.3.3			(4)
			[17]

QUESTION 9/VRAAG 9

		
	Solution/Oplossing	Marks/ Punte
		[6]

	Solution/Oplossing	Marks/ Punte
10.3		(3)
10.4		(4)
		[17]

TOTAL/TOTAAL: 150

Additional Space/Addisionele ruimte

[illegible]

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