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**NATIONAL/NASIONALE
SENIOR
CERTIFICATE/SERTIFIKAAT**

GRADE 12/GRAAD 12

SEPTEMBER 2022

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

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

This special answer book consists of 18 pages./
Hierdie spesiale antwoordeboek bestaan uit 18 bladsye.

QUESTION 1/VRAAG 1

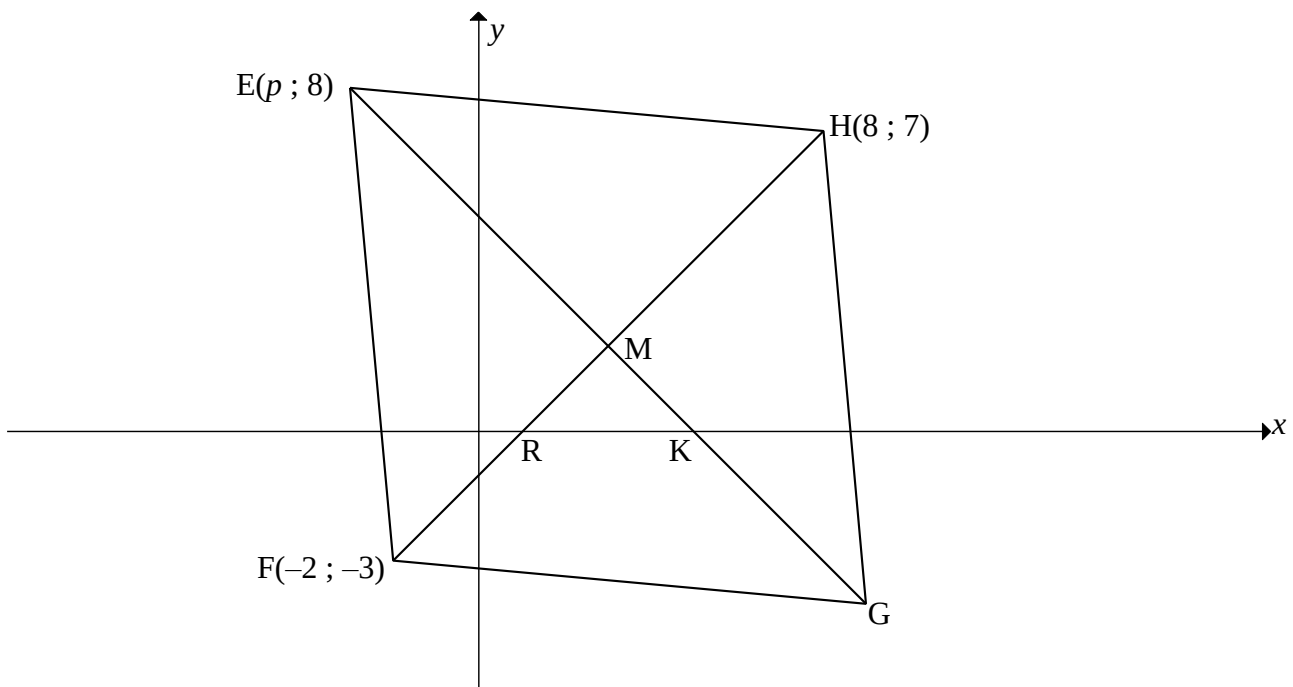
	Solution/Oplissing	Marks/ Punte																														
1.1	<table border="1"> <thead> <tr> <th>Distance of Jumps <i>Afstand van Spronge</i> (in cm)</th><th>Number of athletes <i>Aantal atlete</i></th><th>Cumulative Frequency <i>Kumulatiewe Frekwensie</i></th></tr> </thead> <tbody> <tr><td>$420 < d \leq 460$</td><td>6</td><td></td></tr> <tr><td>$460 < d \leq 500$</td><td>14</td><td></td></tr> <tr><td>$500 < d \leq 540$</td><td>16</td><td></td></tr> <tr><td>$540 < d \leq 580$</td><td>42</td><td></td></tr> <tr><td>$580 < d \leq 620$</td><td>14</td><td></td></tr> <tr><td>$620 < d \leq 660$</td><td>2</td><td></td></tr> <tr><td>$660 < d \leq 700$</td><td>3</td><td></td></tr> <tr><td>$700 < d \leq 740$</td><td>2</td><td></td></tr> <tr><td>$740 < d \leq 780$</td><td>1</td><td></td></tr> </tbody> </table>	Distance of Jumps <i>Afstand van Spronge</i> (in cm)	Number of athletes <i>Aantal atlete</i>	Cumulative Frequency <i>Kumulatiewe Frekwensie</i>	$420 < d \leq 460$	6		$460 < d \leq 500$	14		$500 < d \leq 540$	16		$540 < d \leq 580$	42		$580 < d \leq 620$	14		$620 < d \leq 660$	2		$660 < d \leq 700$	3		$700 < d \leq 740$	2		$740 < d \leq 780$	1		(2)
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$700 < d \leq 740$	2																															
$740 < d \leq 780$	1																															
1.2	OGIVE/OGIEF	(4)																														
1.3		(2)																														
1.4		(2)																														
		[10]																														

QUESTION 2/VRAAG 2

Long jumper / Verspringer	1	2	3	4	5	6
x: Hours practised / Ure geoefen	4,5	2	3,5	4	8	3
y: Distance jumped / Afstand gespring (cm)	650	420	580	490	780	525

	Solution/Oplissing	Marks/ Punte
2.1		(3)
2.2		(2)
2.3		(2)
2.4.1		(1)
2.4.2		(1)
2.4.3		(1)
		[10]

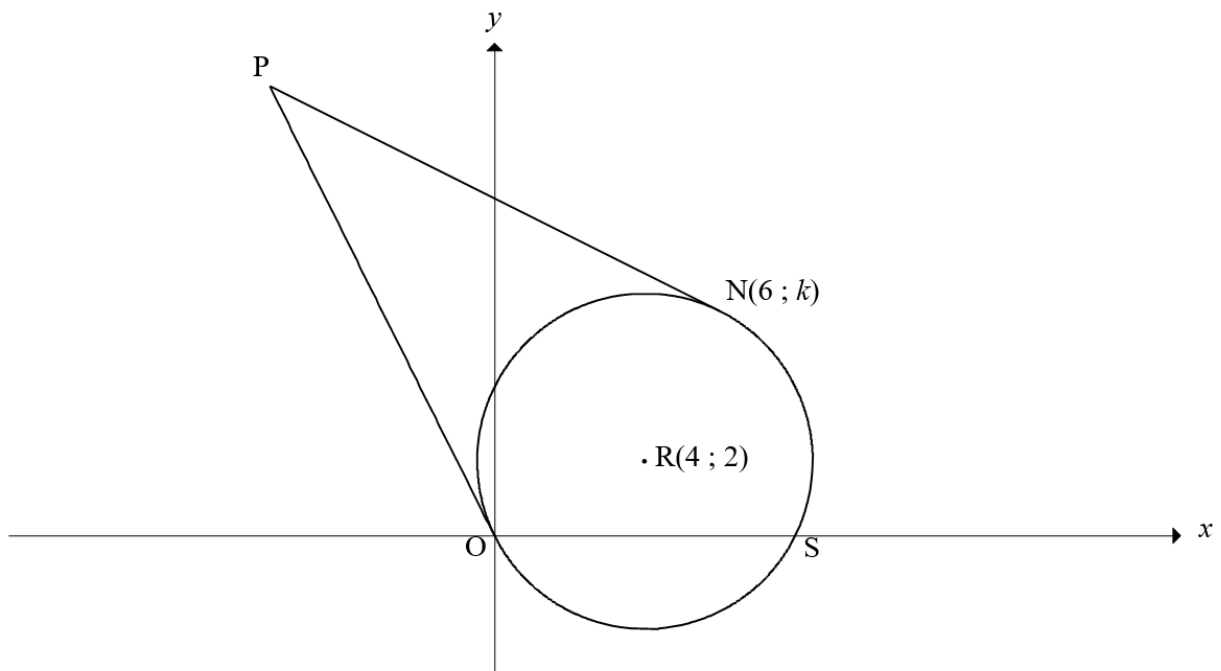
QUESTION 3/VRAAG 3



	Solution/Oplossing	Marks/ Punte
3.1.1		(2)
3.1.2		(2)
3.1.3		(4)

	Solution/Oplissing	Marks/ Punte
3.2		(4)
3.3		(2)
3.4		(3)
		[17]

QUESTION 4/VRAAG 4



	Solution/Oplossing	Marks/ Punte
4.1		(3)
4.2		(4)
4.3		(5)

	Solution/Oplissing	Marks/ Punte
4.4.1		(3)
4.4.2		(4)
4.5		(4)
		[23]

QUESTION 5/VRAAG 5

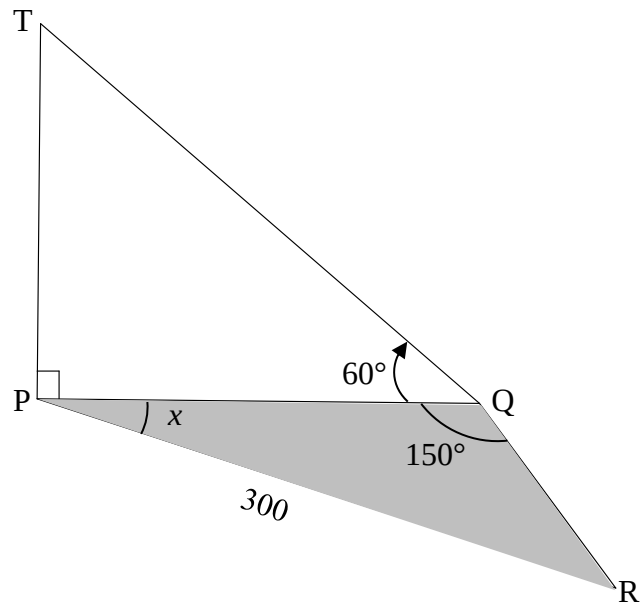
	Solution/Oplossing	Marks/ Punte
5.1.1		(2)
5.1.2		(3)
5.1.3		(2)
5.2.1		(5)
5.2.2		(4)

	Solution/Oplissing	Marks/ Punte
5.3.1		(4)
5.3.2		(3)
5.4		(7)
		[30]

QUESTION 6/VRAAG 6

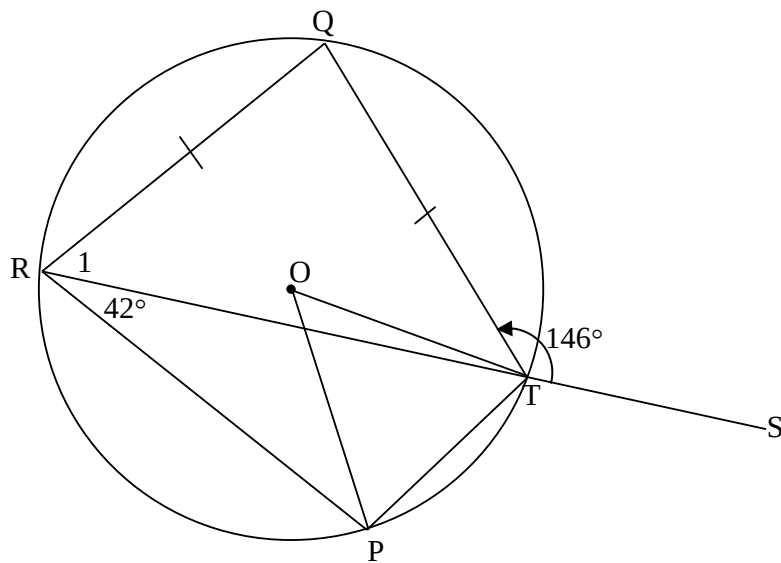
	Solution/Oplissing	Marks/ Punte
6.1		
		(3)
6.2.1		
		(1)
6.2.2		
		(2)
6.3		
		(2)
6.4		
		(2)
6.5		
		(2)
		[12]

QUESTION 7/VRAAG 7



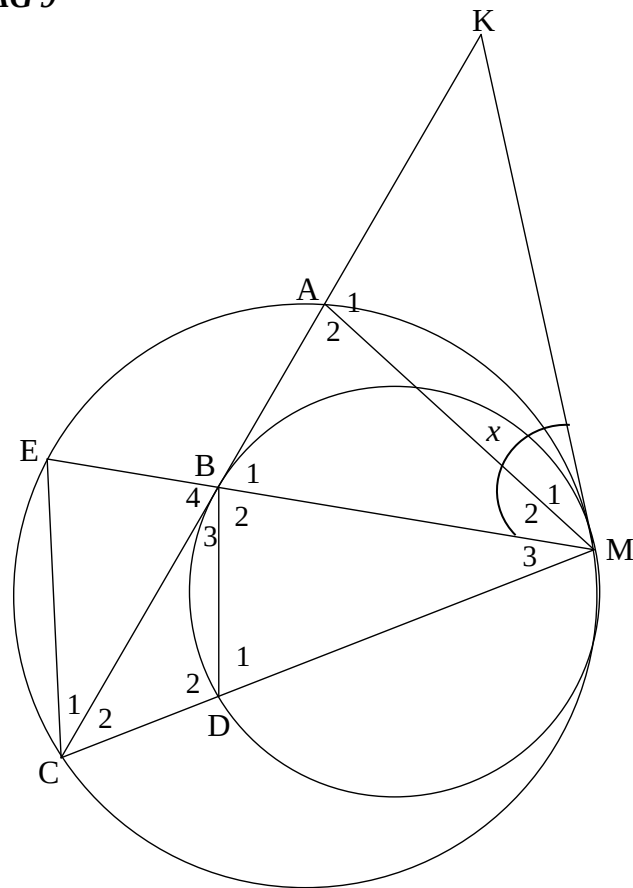
	Solution/Oplossing	Marks/ Punte
7.1		(1)
7.2		(3)
7.3		(4)
		[8]

QUESTION 8/VRAAG 8



	Solution/Oplossing	Marks/ Punte
8.1		(2)
8.2		(2)
8.3		(3)
		[7]

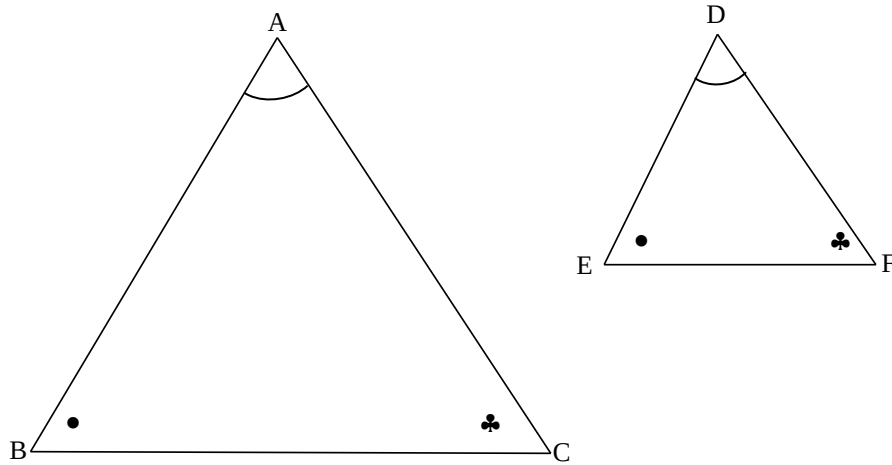
QUESTION 9/VRAAG 9



	Solution/Oplissing	Marks/ Punte
9.1		(5)
9.2.1		(2)
9.2.2		(3)
9.2.3		(2)
		[12]

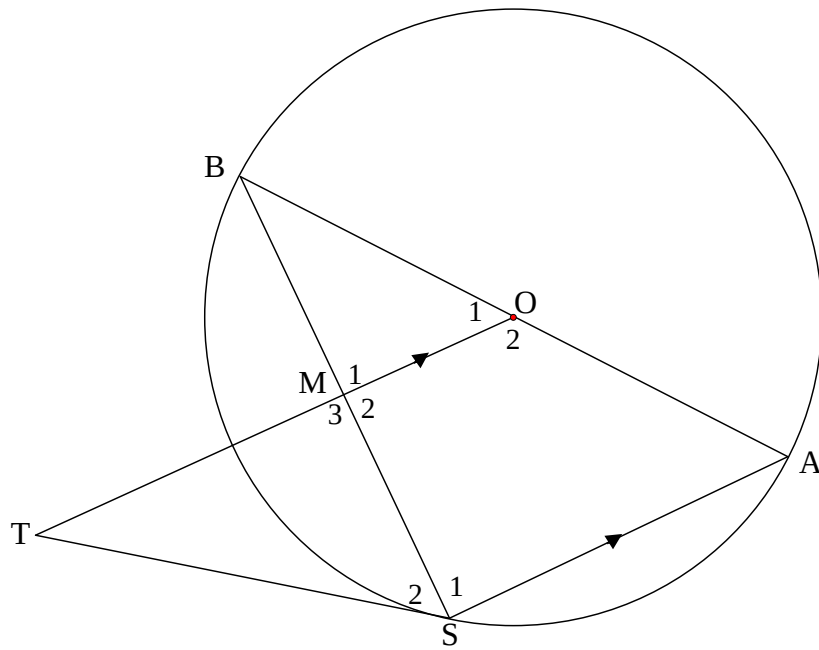
QUESTION 10/VRAAG 10

10.1



	Solution/Oplossing	Marks/ Punte
10.1		(6)

10.2



	Solution/Oplossing	Marks/ Punte
10.2.1		(4)
10.2.2		(5)
10.2.3		(3)
10.2.4		(3)
		[21]

[illegible]

TOTAL/TOTAAL: 150