



LEARNER'S NAME: <i>LEERDERNAAM:</i>	
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GRADE 12 <i>GRAAD 12</i>	
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**NATIONAL/NASIONALE
SENIOR
CERTIFICATE/SERTIFIKAAT**

GRADE 12/GRAAD 12

SEPTEMBER 2023

**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 Parafeer	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>																

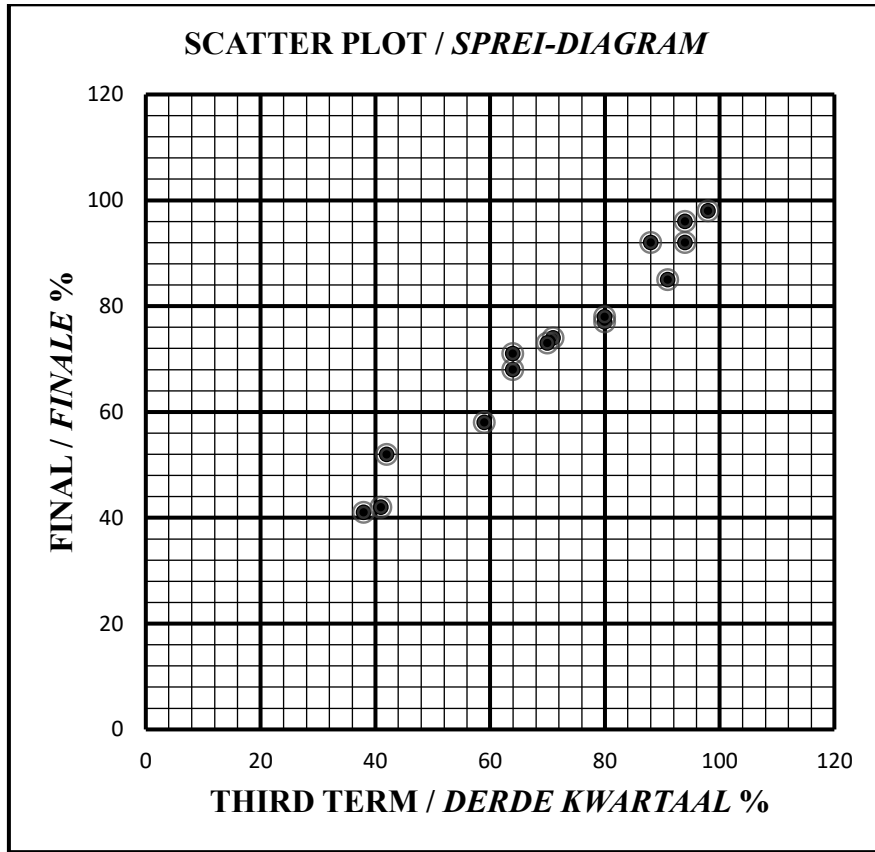
This special answer book consists of 25 pages./
Hierdie spesiale antwoordeboek bestaan uit 25 bladsye.

QUESTION 1/VRAAG 1

	Solution/Oplissing	Marks/ Punte
1.1	29 27 24 31 22 19 30	
1.1.1	(a) Mean / <i>Gemiddelde</i> =	(2)
1.1.1	(b) Standard Deviation / <i>Standaardafwyking</i> =	(1)
1.1.2		(3)
1.1.3		(2)
1.2	<p>A box plot is shown on a horizontal axis. The axis has tick marks at 10, 20, 30, 40, 50, and 60. The box plot has a minimum at 10, a first quartile (Q1) at 26, a median at 30, a third quartile (Q3) at 48, and a maximum at 65. The values 26, 30, and 48 are labeled above the box plot.</p>	
1.2.1		(1)
1.2.2		(2)
		[11]

QUESTION 2/VRAAG 2

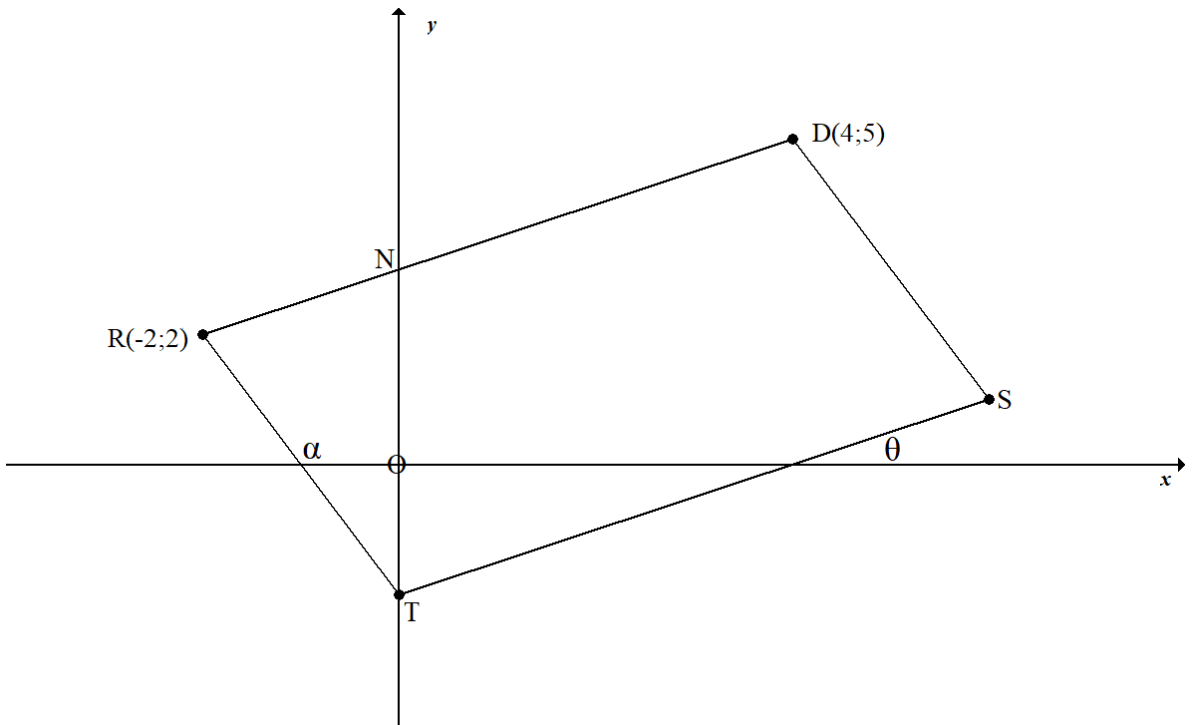
Third / Derde	71	80	59	38	41	98	80	88	91	94	64	94	70	42	64
Final / Finale	74	77	58	41	42	98	78	92	85	92	68	96	73	52	71



	Solution/Oplossing	Marks/ Punte
2.1		(3)
2.2		(1)
2.3.1		(2)
2.3.2		(1)

	Solution/<i>Oplossing</i>	Marks/ <i>Punte</i>
2.4.1		(1)
2.4.2		(1)
		[9]

QUESTION 3/VRAAG 3

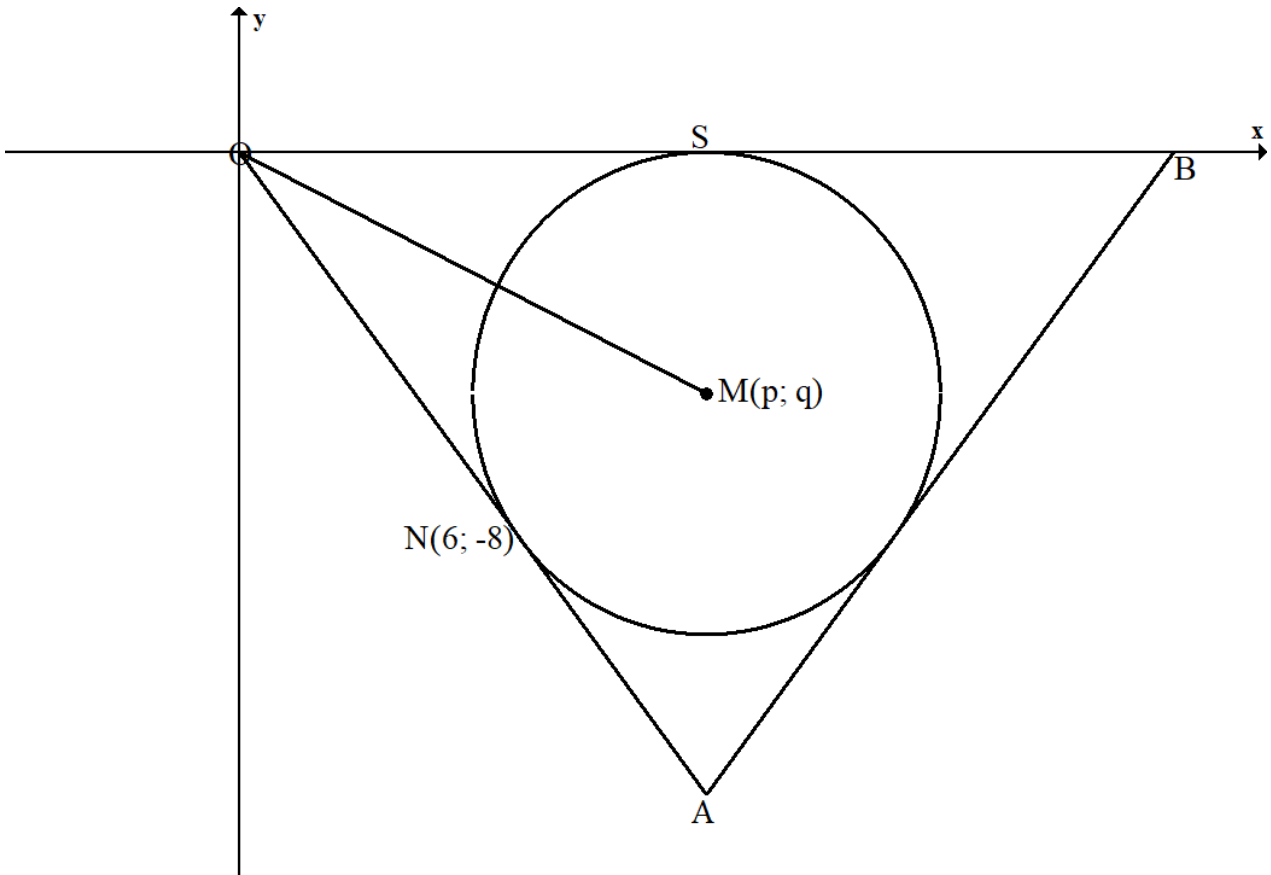


	Solution/Oplissing	Marks/ Punte
3.1		(1)
3.2.1		(2)

	Solution/Oplissing	Marks/ Punte
3.2.2		(5)
3.3		(3)
3.4		(3)

	<i>Solution/Oplissing</i>	Marks/ Punte
3.5		
	(4)	
	[18]	

QUESTION 4/VRAAG 4



	Solution/Oplossing	Marks/Punte
4.1.1		(2)
4.1.2		(2)

	Solution/Oplissing	Marks/ Punte
4.1.3		(3)
4.1.4		(2)
4.2		(3)
4.3		(2)

	Solution/<i>Oplossing</i>	Marks/ <i>Punte</i>
4.4		
	(6)	
4.5		
	(2)	
		[22]

QUESTION 5/VRAAG 5

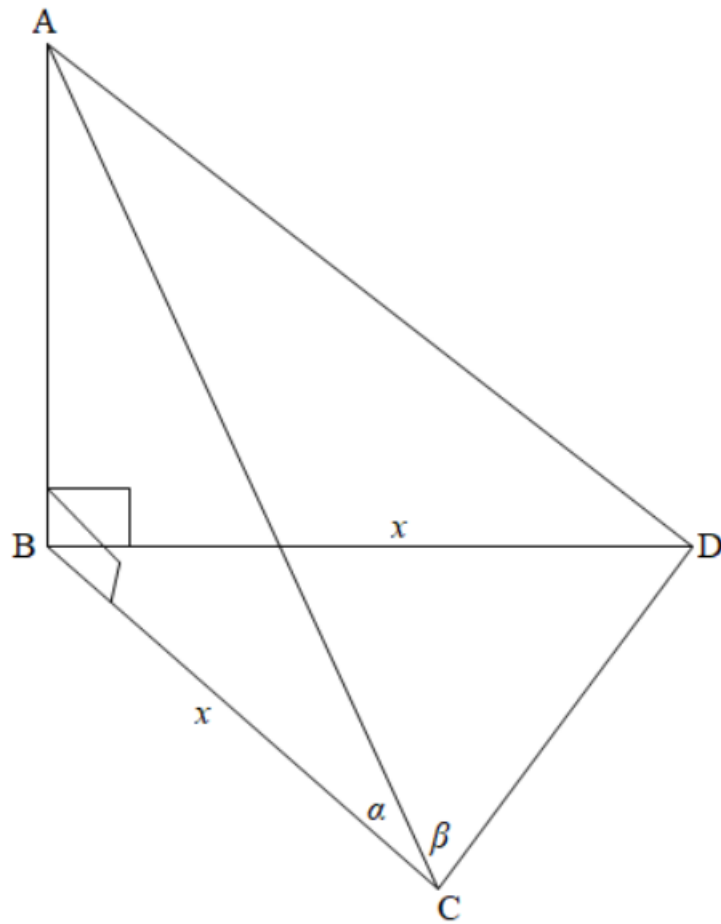
	Solution/Oplissing	Marks/ Punte
5.1.1		(2)
5.1.2		(2)

	<i>Solution/Oplissing</i>	Marks/ Punte
5.1.3		
	(4)	
5.2		
	(6)	

	<i>Solution/Oplissing</i>	Marks/ Punte
5.3		
(4)		
5.4		
(4)		

	<i>Solution/Oplissing</i>	Marks/ Punte
5.5.1		
	(4)	
5.5.2		
	(4)	
		[30]

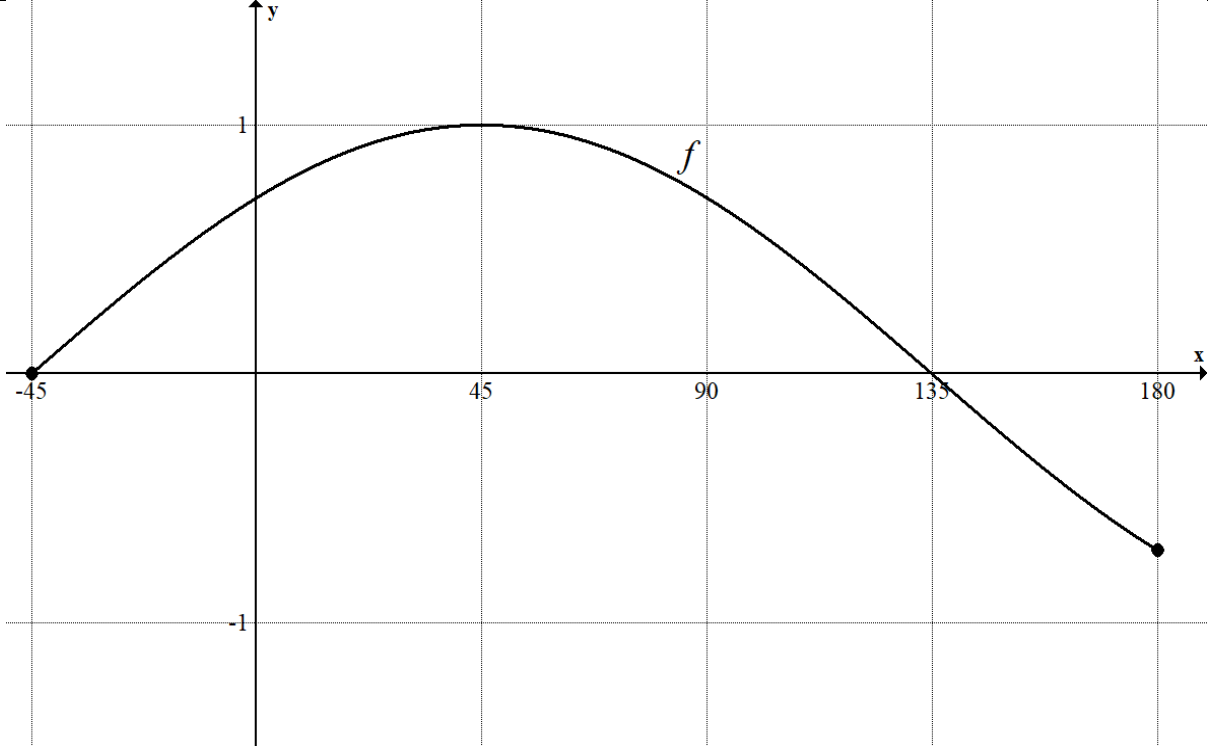
QUESTION 6/VRAAG 6



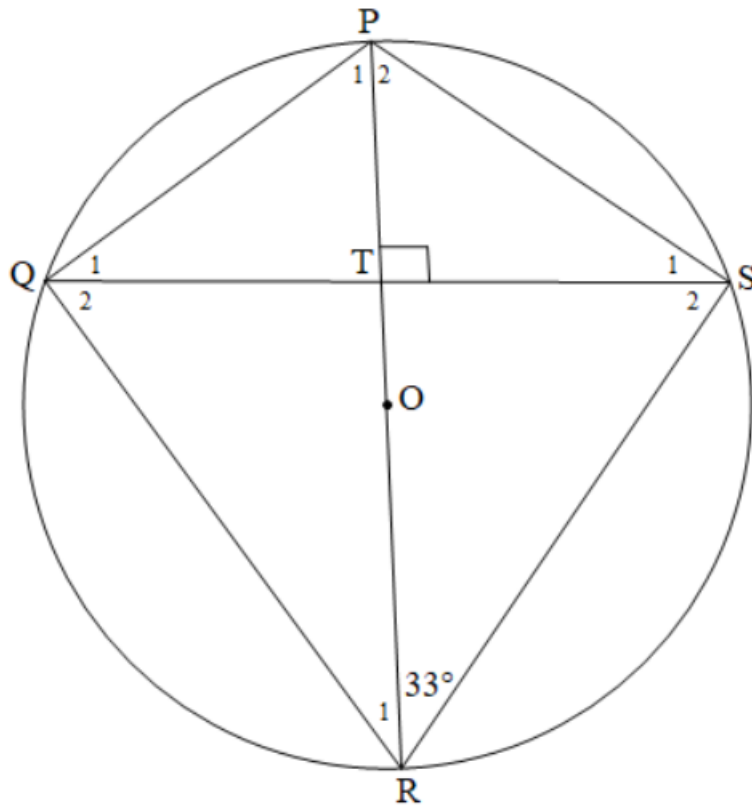
	Solution/Oplossing	Marks/ Punte
6.1		(1)
6.2		(2)

	Solution/Oplossing	Marks/ Punte
6.3		(4)
6.4		(2)
		[9]

QUESTION 7/VRAAG 7

	Solution/Oplissing	Marks/ Punte
7.1		(2)
7.2		(3)
7.3		(1)
7.4		(2)
7.5		(2)
7.6		(1)
		[11]

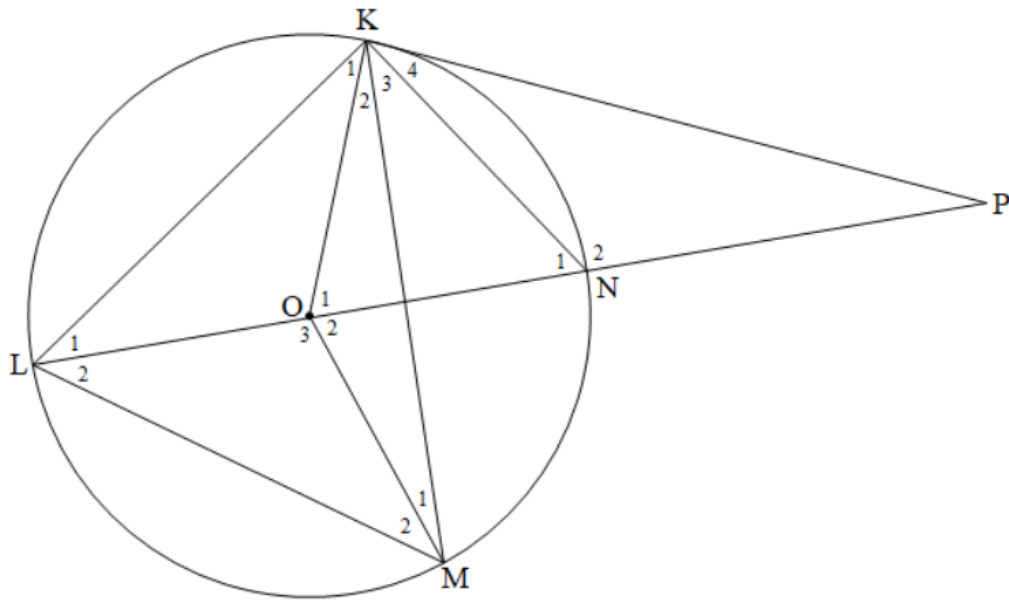
QUESTION 8/VRAAG 8



	<i>Solution/Oplissing</i>	Marks/ Punte
8.1.1		(3)
8.1.2		(2)

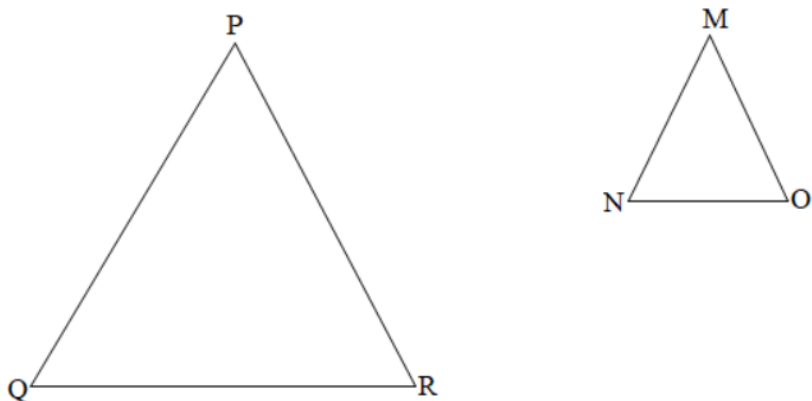
	<i>Solution/Oplissing</i>	Marks/ Punte
8.2		
		[9]

QUESTION 9/VRAAG 9



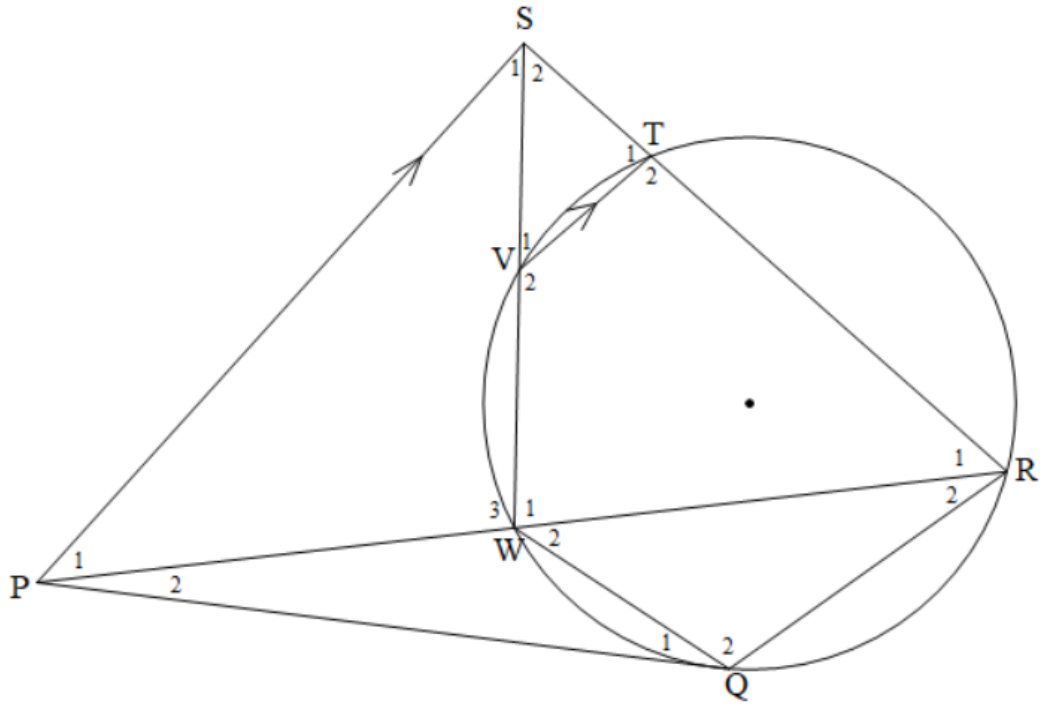
	<i>Solution/Oplissing</i>	Marks/ Punte
9.1		(2)
9.2.1		(2)
9.2.2		(2)
9.2.3		(2)
9.3		(3)
		[11]

QUESTION 10/VRAAG 10



	Solution/Oplissing	Marks/Punte
10.1		

(6)



	<i>Solution/Oplissing</i>	<i>Marks/Punte</i>
10.2.1		(3)
10.2.2		(3)

	Solution/Oplossing	Marks/ Punte
10.2.3		
	(5)	
10.2.4		
	(3)	
		[20]

TOTAL/TOTAAL: 150

Additional Space/<i>Addisionele Ruimte</i>		