

EXAMINATION NUMBER:/ <i>EKSAMENNOMMER:</i>												
CENTRE NUMBER:/ <i>SENTRUMNOMMER:</i>												

**NATIONAL SENIOR CERTIFICATE/
NASIONALE SENIOR SERTIFIKAAT**

MATHEMATICS P2/WISKUNDE V2

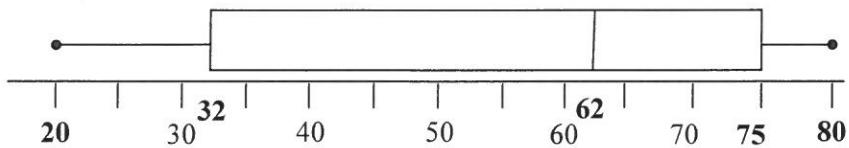
GRADE/GRAAD 12

FEBRUARY/MARCH/FEBRUARIE/MAART 2016

**SPECIAL ANSWER BOOK/
SPESIALE ANTWOORDEBOEK**

QUESTION/ <i>VRAAG</i>	MARK/ <i>PUNT</i>			INITIAL/ <i>PARAAF</i>	MOD.	REMARK/ <i>PUNT</i>			INITIAL/ <i>PARAAF</i>
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
TOTAL/ <i>TOTAAL</i> (150)									

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

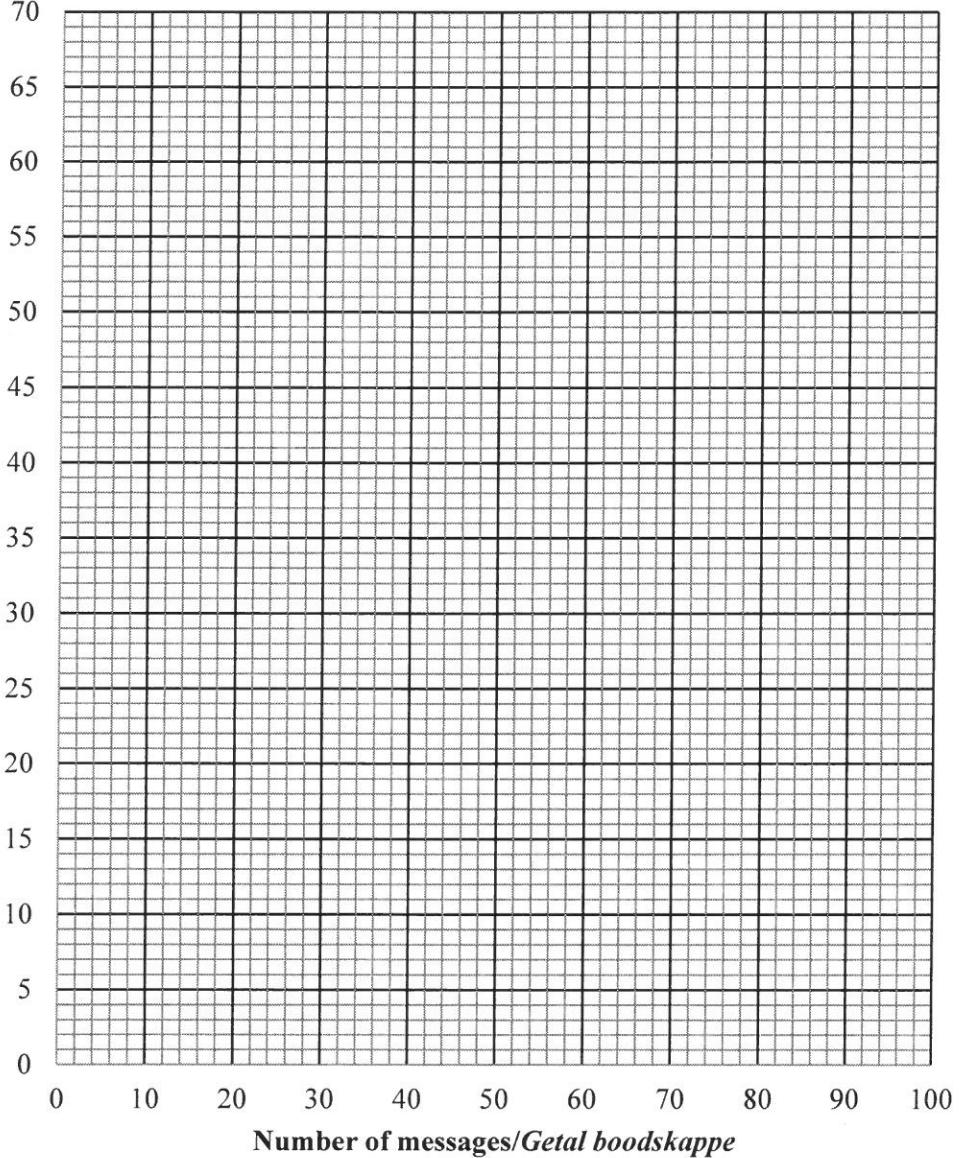
QUESTION/VRAAG 1

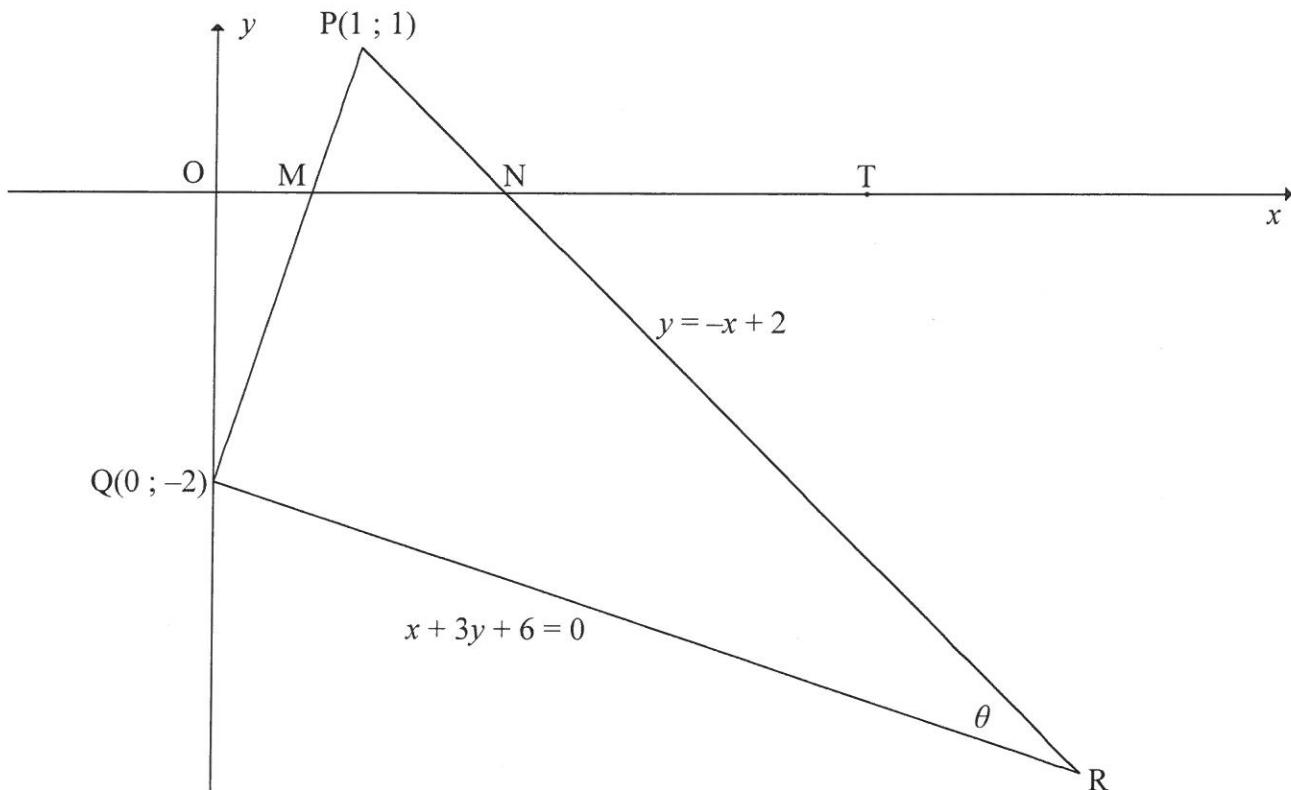
	Solution/<i>Oplossing</i>	Marks/ <i>Punte</i>									
1.1		(1)									
1.2		(2)									
1.3		(2)									
1.4	<table border="1" style="width: 100%; text-align: center;"> <tr> <td></td> <td>28</td> <td>36</td> <td></td> <td></td> <td>69</td> <td></td> <td></td> <td></td> </tr> </table>		28	36			69				(6)
	28	36			69						
		[11]									

QUESTION/VRAAG 2

NUMBER OF MESSAGES/ <i>GETAL BOODSKAPPE</i>	NUMBER OF DAYS/ <i>GETAL DAE</i>
$10 < x \leq 20$	2
$20 < x \leq 30$	8
$30 < x \leq 40$	5
$40 < x \leq 50$	10
$50 < x \leq 60$	12
$60 < x \leq 70$	18
$70 < x \leq 80$	3
$80 < x \leq 90$	2

	Solution/<i>Oplossing</i>	Marks/ <i>Punte</i>
2.1		(3)

	Solution/<i>Oplossing</i>	Marks/ <i>Punte</i>
2.2	<p style="text-align: center;">OGIVE/OGIEF</p> 	(4)
2.3		(2) [9]

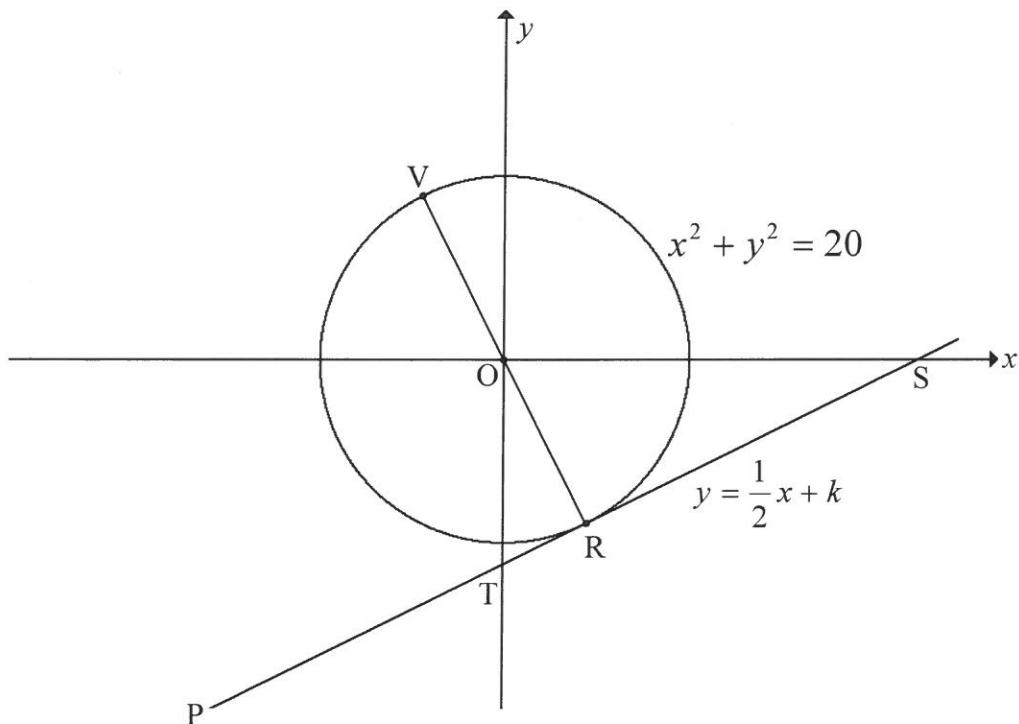
QUESTION/VRAAG 3

	Solution/<i>Oplossing</i>	Marks/ Punte
3.1		
3.2		(2)

	Solution/<i>Oplossing</i>	Marks/ Punte
3.3		
3.4		(3)
3.5		(2)
3.6		(6)
		(3)

	Solution/<i>Oplossing</i>	Marks/ Punte
3.7		(5) [23]

	Additional space/<i>Bykomende ruimte</i>	Marks/ Punte

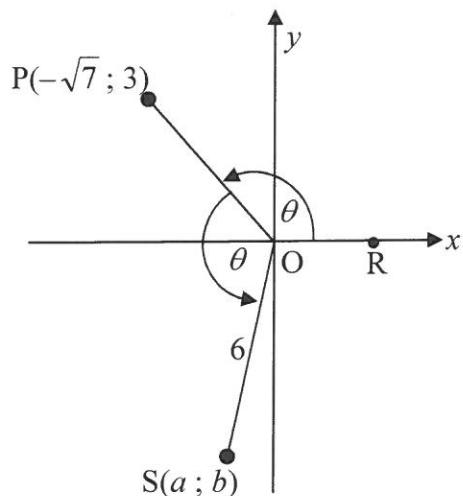
QUESTION/VRAAG 4

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

	Solution/<i>Oplossing</i>	Marks/ Punte
4.3		(6)
4.4		(4) [17]

QUESTION/VRAAG 5

5.1



	Solution/Oplossing	Marks/ Punte
5.1.1		(1)
5.1.2		(3)
5.1.3		(4)

	Solution/<i>Oplossing</i>	Marks/ Punte
5.2.1		(3)
5.2.2		(2) [13]

	Additional space/<i>Bykomende ruimte</i>	Marks/ Punte

QUESTION/VRAAG 6

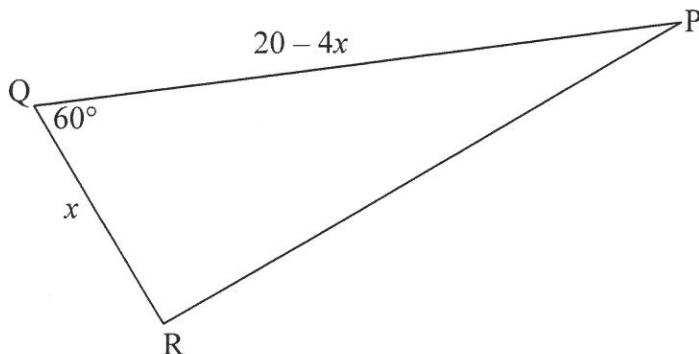
	Solution/<i>Oplossing</i>	Marks/ <i>Punte</i>
6.1		(4)
6.2		(3)

	Solution/<i>Oplossing</i>	Marks/ Punte
6.3.1		(3)
6.3.2		(3) [13]

	Additional space/<i>Bykomende ruimte</i>	Marks/ Punte

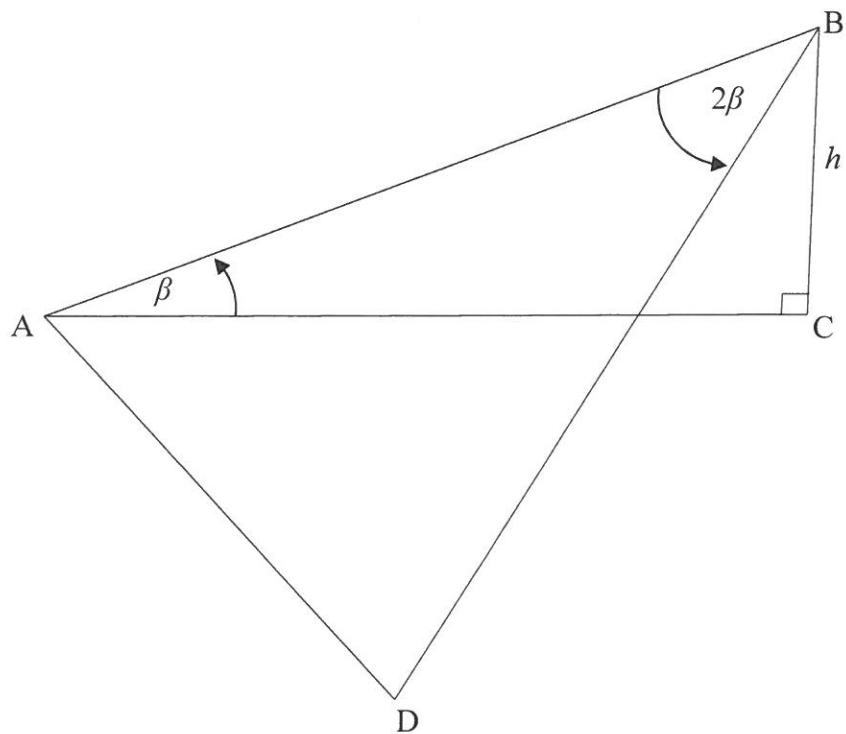
QUESTION/VRAAG 7

7.1



	Solution/<i>Oplossing</i>	Marks/ <i>Punte</i>
7.1.1		(2)
7.1.2		(3)
7.1.3		(3)

7.2

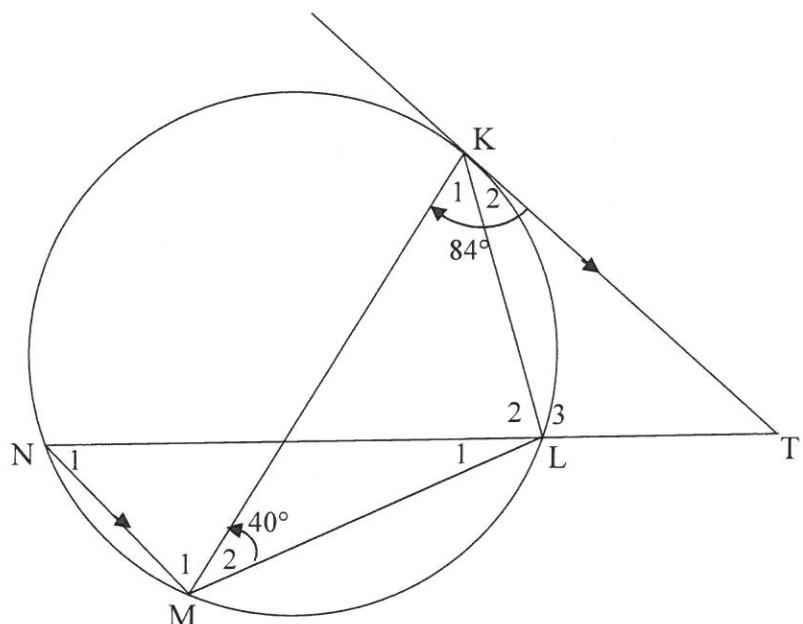


	Solution/Oplossing	Marks/ Punte
		(7) [15]

Give reasons for ALL statements in QUESTIONS 8, 9 and 10.
Gee redes vir ALLE bewerings in VRAAG 8, 9 en 10.

QUESTION/VRAAG 8

8.1

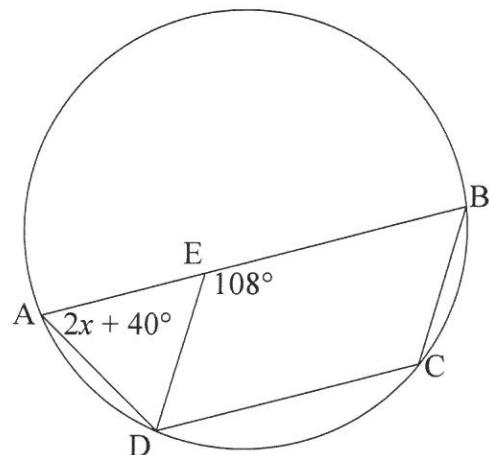


	Solution/ <i>Oplossing</i>	Marks/ <i>Punte</i>
8.1.1		(2)
8.1.2		
8.1.3		(3)

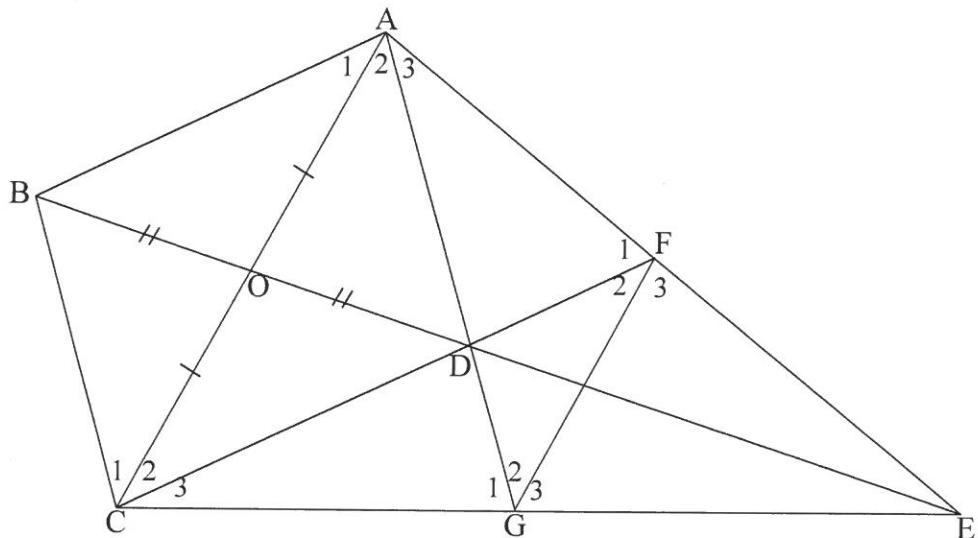
	Solution/<i>Oplossing</i>	Marks/ Punte
8.1.4		
8.1.5		(1)

	Additional space/<i>Bykomende ruimte</i>	Marks/ Punte

8.2



	Solution/Oplossing	Marks/ Punte
8.2		(5) [15]

QUESTION/VRAAG 9

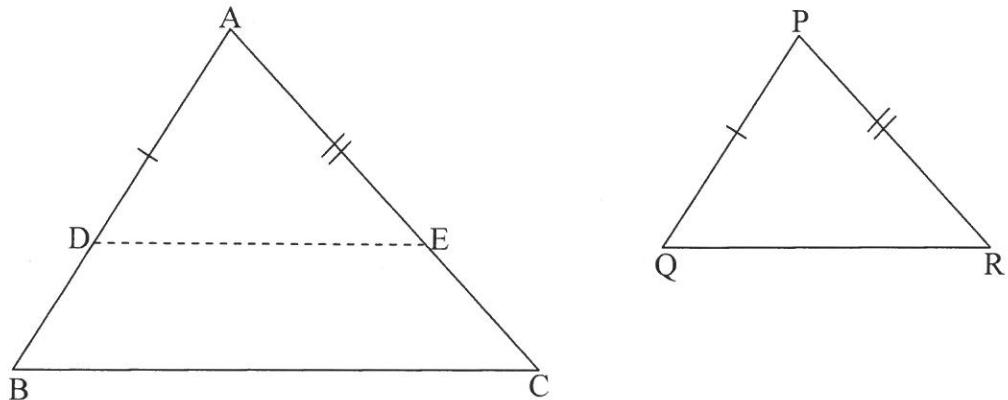
	Solution/Oplossing	Marks/Punte
9.1		(1)
9.2		(4)
9.3		(5)

	Solution/<i>Oplossing</i>	Marks/ <i>Punte</i>
9.4		(3) [13]

	Additional space/<i>Bykomende ruimte</i>	Marks/ <i>Punte</i>

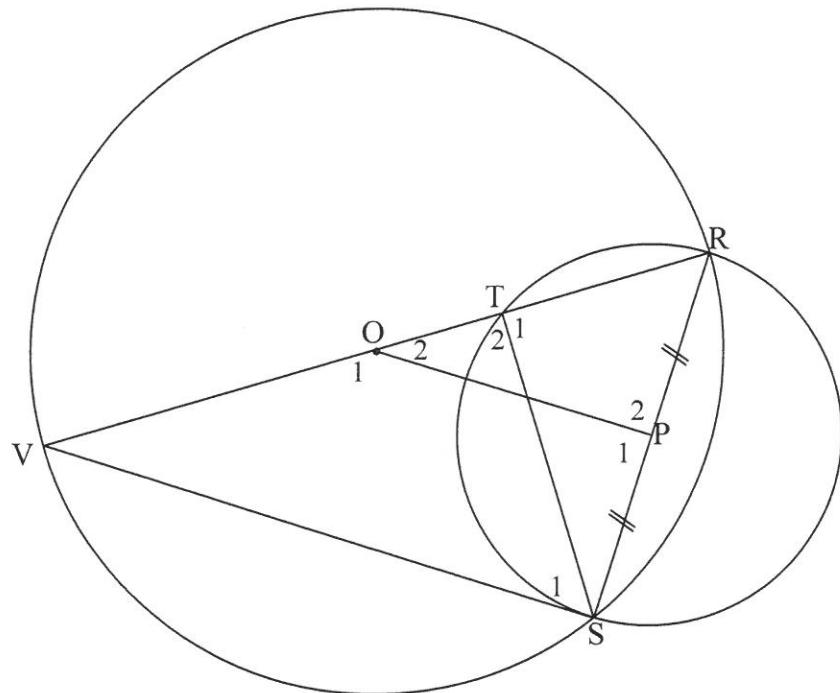
QUESTION/VRAAG 10

10.1



	Solution/<i>Oplossing</i>	Marks/ <i>Punte</i>
10.1.1		
10.1.2		(2)
10.1.3		(3)
		(2)

10.2



	Solution/Oplossing	Marks/ Punte
10.2.1	(1)
10.2.2	(4)

	Solution/<i>Oplossing</i>	Marks/ Punte
10.2.3		(3)
10.2.4		(6) [21]

	Additional space/<i>Bykomende ruimte</i>	Marks/ <i>Punte</i>

	Additional space/<i>Bykomende ruimte</i>	Marks/ <i>Punte</i>

TOTAL/TOTAAL: 150