

# Soek jy 'n fantastiese tutor?

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Department  
Basic Education  
**REPUBLIC OF SOUTH AFRICA**

NSC Answer Book  
NSS-antwoordeboek

**CENTRE NUMBER**  
**SENTRUMNOMMER**

**EXAMINATION NUMBER**  
**EKSAMENNNOMMER**

DATE  
DATUMBOOK NUMBER  
BOEKNOMMER

OF  
VAN

BOOKS  
BOEKE

**SUBJECT CODE**  
**VAKKODE**

**PAPER NUMBER**  
**VRAESTELNOMMER**

2

**SUBJECT NAME**  
**VAKNAAM**

**MATHEMATICS/WISKUNDE**

**CONTROLLED AND CERTIFIED CORRECT**  
(SURNAME AND INITIALS OF EA)  
**GEKONTROLEER EN AS KORREK**  
**GESERTIFISEER (VAN EN VOORLETTERS**  
**VAN EA)**

READ INSTRUCTIONS ON THE NEXT PAGE.  
LEES INSTRUKSIES OP VOLGENDE BLADSY.

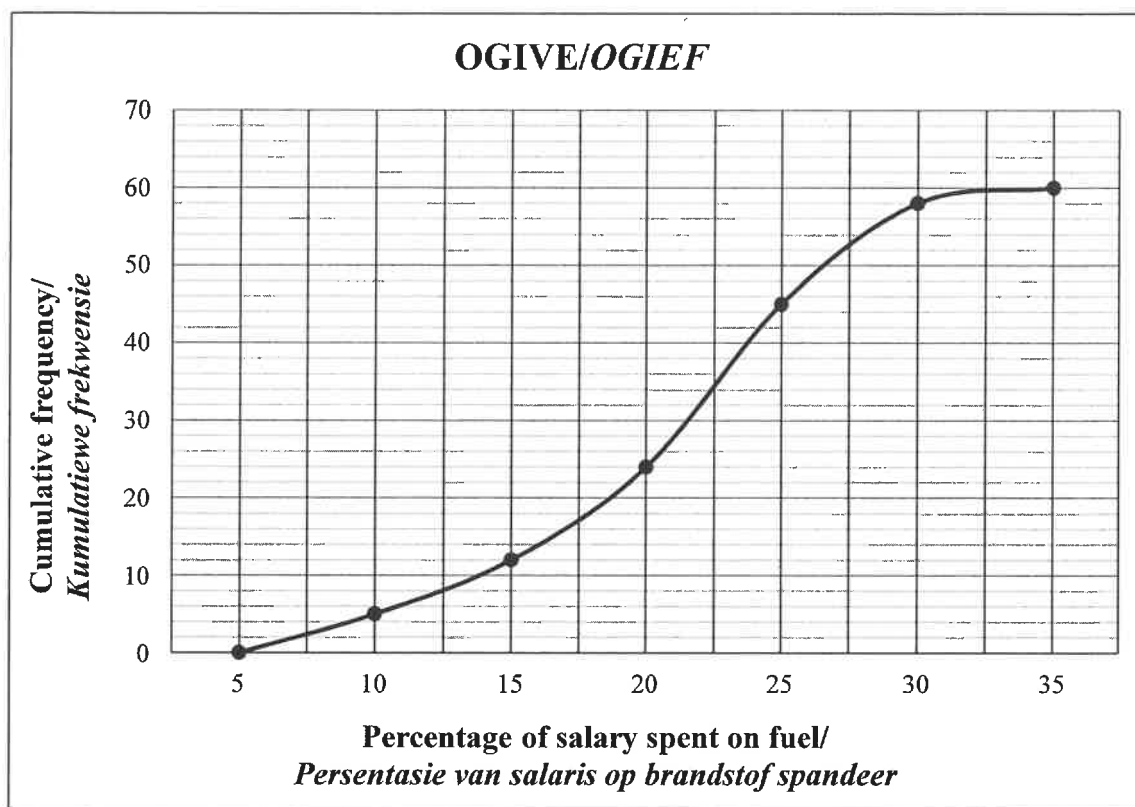
**This answer book consists of 23 pages./Hierdie antwoordeboek bestaan uit 23 bladsye.**

PLEASE FOLLOW THESE INSTRUCTIONS CAREFULLY	VOLG ASSEBLIEF HIERDIE INSTRUKSIES NOUKEURIG
<ol style="list-style-type: none"> <li>Clearly write your examination number and centre number in the space provided and attach your barcode label in the space provided.</li> <li>Remember that your own name (or the name of your school) may not appear anywhere on or in this answer book.</li> <li>Answer ALL questions in the spaces provided.</li> <li>No pages may be torn from this answer book.</li> <li>Read the instructions printed on your timetable carefully as well as any other instructions which may be given in each examination paper.</li> <li>Candidates may not retain an answer book or remove it from the examination room.</li> <li>Answers must be written in black/blue ink as distinctly as possible. Do not write in the margins.</li> <li>Write the numbers of the questions you have answered on the front cover of the answer book where marks are to be recorded.</li> <li>If you require additional space for your answers: <ol style="list-style-type: none"> <li>Use the additional space provided at the end of the answer book.</li> <li>When answering a question in the additional space, indicate clearly the question number in the column on the LHS.</li> <li>Rule off after each answer.</li> </ol> </li> <li>Draw a neat line through any work/rough work that must not be marked.</li> </ol>	<ol style="list-style-type: none"> <li><i>Skryf jou eksamennommer en sentrumnummer duidelik in die ruimtes verskaf en plak jou stafieskodeplakker in die ruimte verskaf.</i></li> <li><i>Onthou dat jou eie naam (of die naam van jou skool) nie op of in hierdie antwoordeboek mag voorkom nie.</i></li> <li><i>Beantwoord ALLE vrae in die ruimtes wat voorsien is.</i></li> <li><i>Geen bladsye mag uit hierdie antwoordeboek geskeur word nie.</i></li> <li><i>Lees die instruksies wat op jou eksamenrooster gedruk is, sorgvuldig deur, asook enige ander instruksies wat op elke eksamenvraestel gegee word.</i></li> <li><i>Geen antwoordeboek mag deur die kandidaat behou of uit die eksamenlokaal verwyder word nie.</i></li> <li><i>Skryf die antwoorde so duidelik moontlik met swart/blou ink. Laat die kantlyne oop.</i></li> <li><i>Skryf die nommers van die vrae wat jy beantwoord het op die voorblad van die antwoordeboek waar die punte aangebring word.</i></li> <li><i>In geval jy bykomende ruimte benodig vir jou antwoorde:</i> <ol style="list-style-type: none"> <li><i>Gebruik die bykomende ruimte wat aan die einde van die antwoordeboek voorsien word.</i></li> <li><i>As 'n vraag in die bykomende ruimte beantwoord word, dui duidelik die vraagnommer in die kolom aan die LK aan.</i></li> <li><i>Trek 'n lyn na elke antwoord.</i></li> </ol> </li> <li><i>Trek 'n netjiese lyn deur enige werk/rofwerk wat nie nagesien moet word nie.</i></li> </ol>

**QUESTION/VRAAG 1**

<b>Popularity score (x)/ Gewildheidspunt (x)</b>	32	89	35	82	50	59	81	40	79	65
<b>Number of votes (y)/ Getal stemme (y)</b>	9	22	10	21	11	15	20	12	19	16

	<b>Solution/Oplissing</b>	<b>Marks Punte</b>
1.1.1		(2)
1.1.2		(1)
1.2		(2)
1.3		(3)
1.4		(2)
1.5.1		(1)
1.5.2		(1)
		<b>[12]</b>

**QUESTION/VRAAG 2**

	Solution/Oplossing	Marks Punte
2.1		(1)
2.2		(1)
2.3		(2)
2.4		(2)

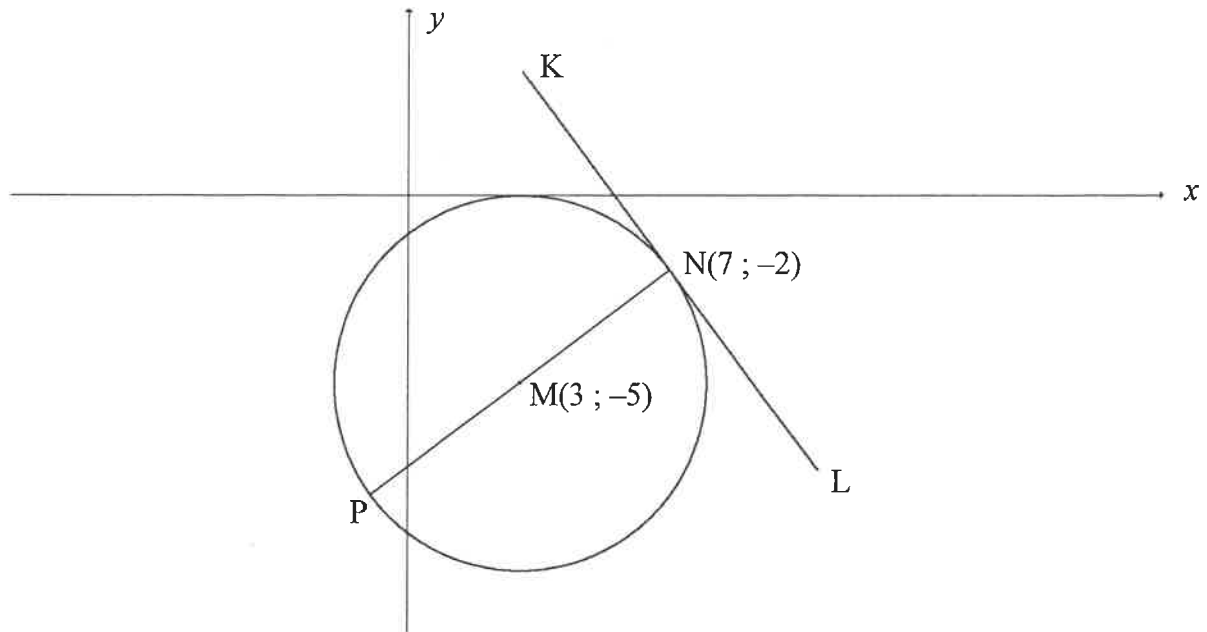
2.5		
		(2)
		[8]



	<b>Solution/<i>Oplossing</i></b>	<b>Marks <i>Punte</i></b>
3.1.4		(2)
3.2		(3)
3.3.1		(4)
3.3.2		(5)
		<b>[20]</b>



**QUESTION/VRAAG 4**



	<b>Solution/Oplossing</b>	<b>Marks Punte</b>
4.1		(2)
4.2.1		(3)
4.2.2		(5)

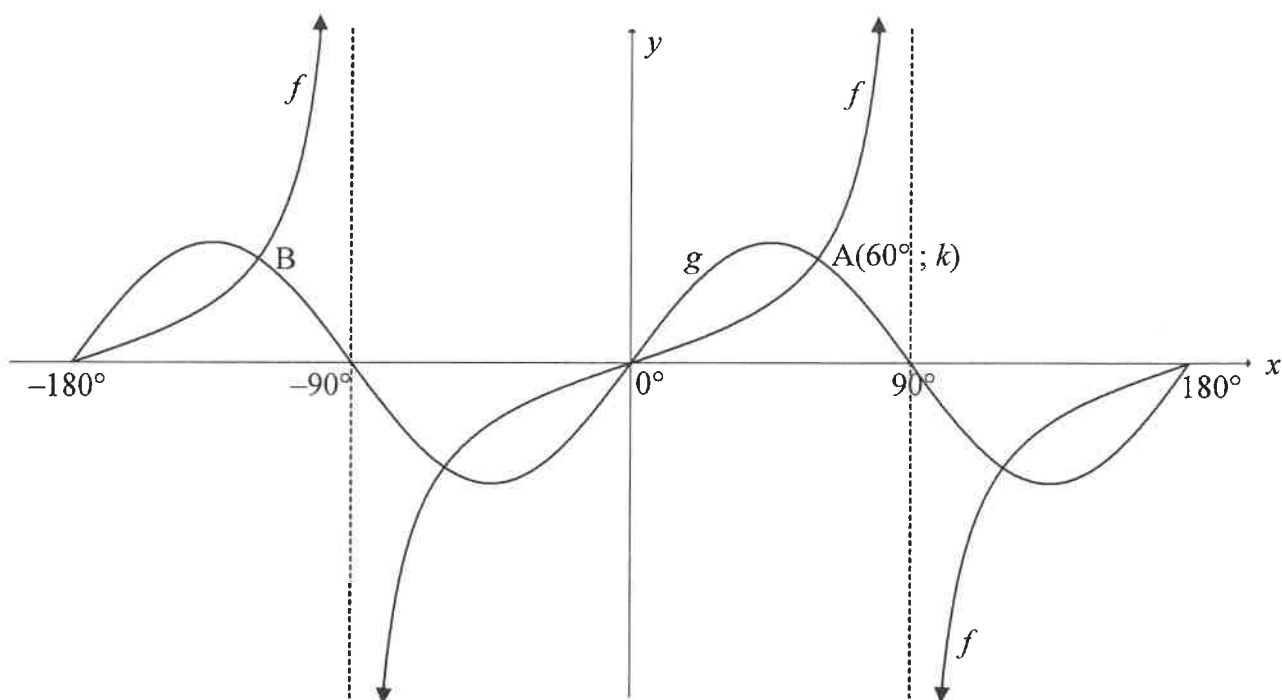
	<b>Solution/<i>Oplossing</i></b>	<b>Marks <i>Punte</i></b>
4.3		(4)
4.4.1		(2)
4.4.2		(4)
		<b>[20]</b>

**QUESTION/VRAAG 5**

	<b>Solution/<i>Oplossing</i></b>	<b>Marks <i>Punte</i></b>
5.1.1		(2)
5.1.2		(3)
5.1.3		(2)
5.2		(5)

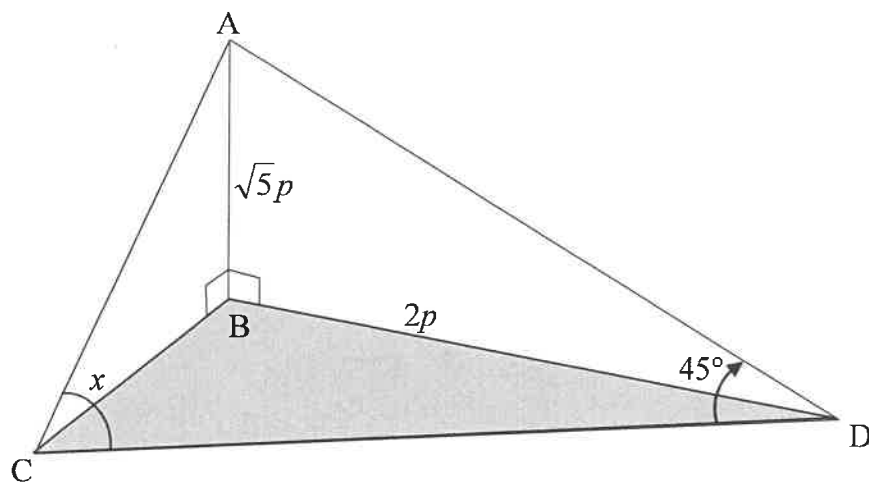
	<b>Solution/<i>Oplossing</i></b>	<b>Marks <i>Punte</i></b>
5.3		(6)
5.4.1		(4)
5.4.2		(3)

	<b>Solution/<i>Oplossing</i></b>	<b>Marks <i>Punte</i></b>
5.5.1		(4)
5.5.2		(1)
		<b>[30]</b>

**QUESTION/VRAAG 6**

	<b>Solution/Oplissing</b>	<b>Marks Punte</b>
6.1		(1)
6.2.1		(1)
6.2.2		(1)
6.3		(2)
6.4		(2)
6.5		(3)
		<b>[10]</b>

**QUESTION/VRAAG 7**

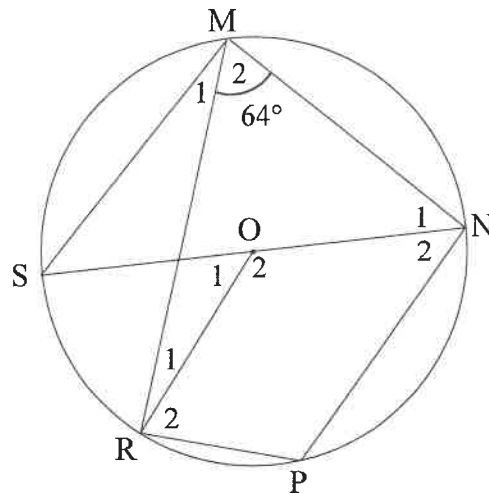


	Solution/Oplossing	Marks Punte
7.1		
		(2)
7.2		
		(5)
7.3		
		(3)
		[10]

Provide reasons for your statements in QUESTIONS 8, 9 and 10.  
Verskaf redes vir jou bewerings in VRAAG 8, 9 en 10.

**QUESTION/VRAAG 8**

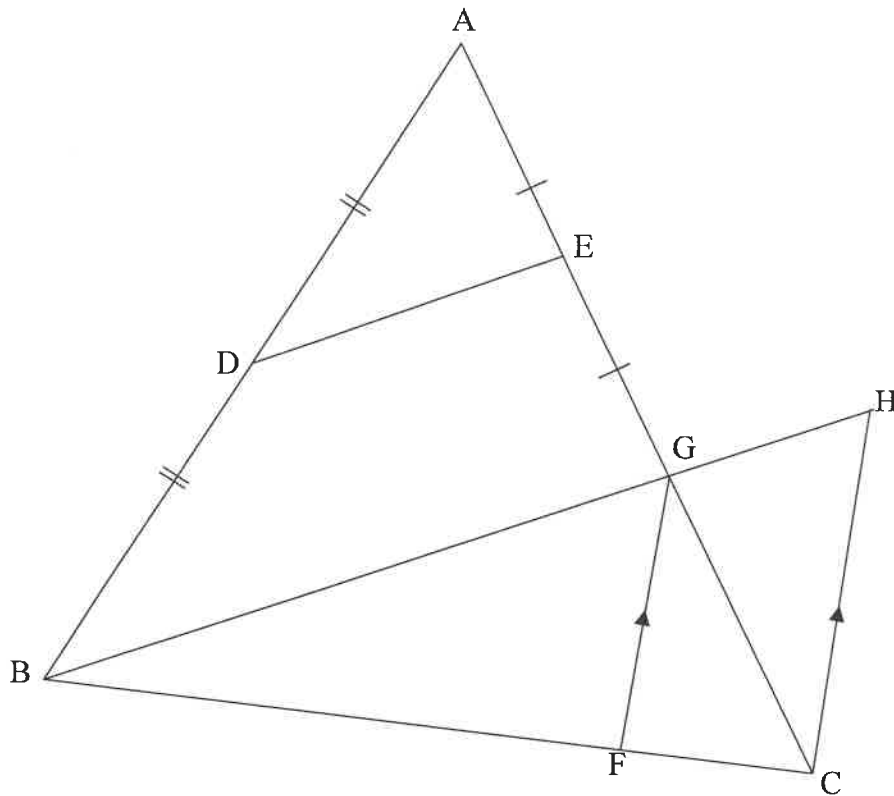
8.1



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



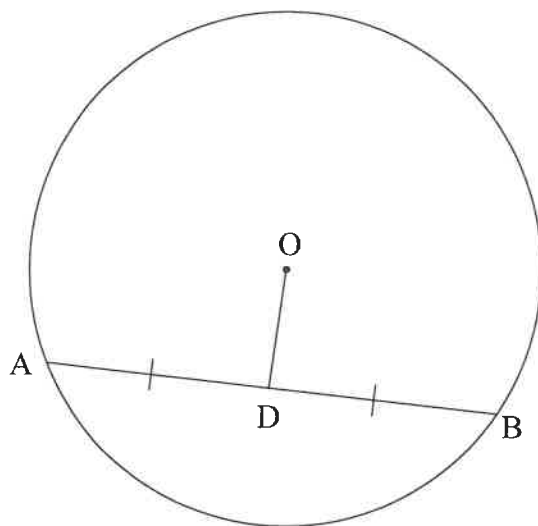
8.2



	<b>Solution/<i>Oplossing</i></b>	<b>Marks Punte</b>
8.2.1		(1)
8.2.2		(6)
		(6)
		[13]

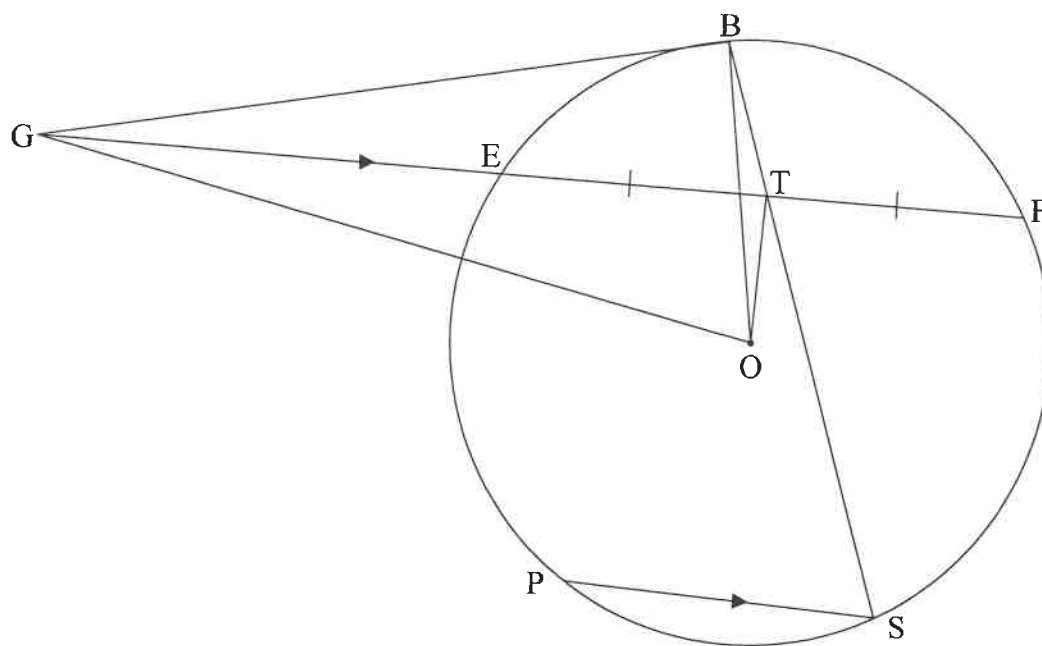
**QUESTION/VRAAG 9**

9.1



	<b>Solution/Oplossing</b>	<b>Marks Punte</b>
9.1		
		(5)

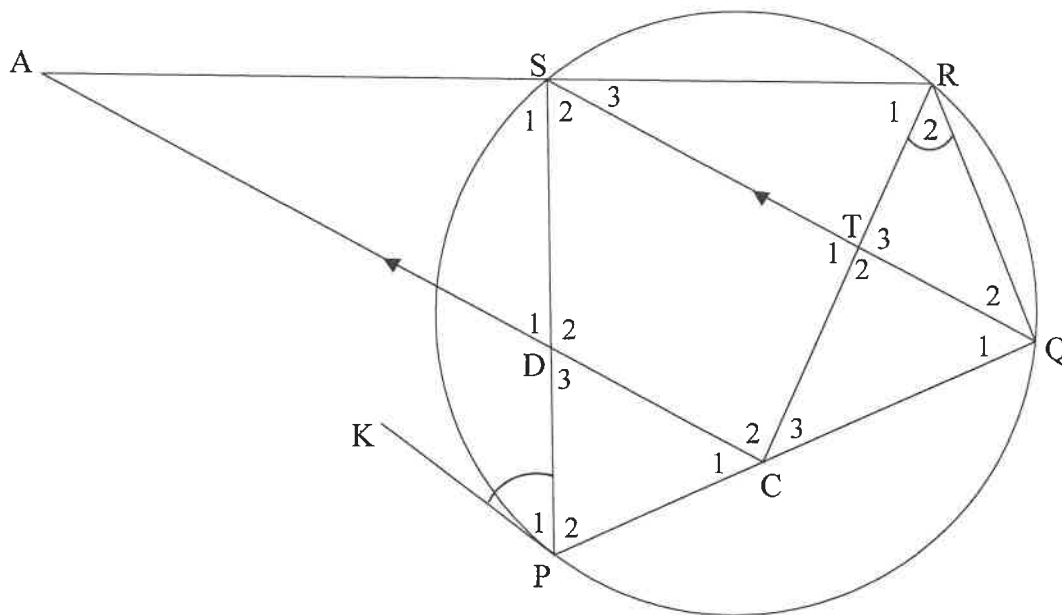
9.2



	<b>Solution/Oplossing</b>	<b>Marks Punte</b>
9.2.1		(5)

	<b>Solution/<i>Oplossing</i></b>	<b>Marks <i>Punte</i></b>
9.2.2		
		(4)
		[14]

**QUESTION/VRAAG 10**



	<b>Solution/Oplossing</b>	<b>Marks Punte</b>
10.1		
		(4)

	<b>Solution/<i>Oplossing</i></b>	<b>Marks <i>Punte</i></b>
10.2		(5)
10.3		(4)
		<b>[13]</b>







<b>RE-MARK/RE-CHECK HERMERK/HERSIEN</b>				
<b>Question Vraag</b>	<b>Marks Punte</b>			<b>Initials Voorletters</b>
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
TOTAL TOTAAL				
HASH TOTAL KAF- TOTAAL				