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Department  
Basic Education  
**REPUBLIC OF SOUTH AFRICA**

SC/NSC Answer Book  
*SS/NSS Antwoordeboek*

**CENTRE NUMBER**  
**SENTRUMNOMMER**

**EXAMINATION NUMBER**  
**EKSAMENNUMMER**

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 24 pages./Hierdie antwoordeboek bestaan uit 24 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 question 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, clearly indicate 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>Skryf jou eksamennommer en sentrumnummer duidelik in die ruimtes verskaf en plak jou stafieskodeplakker in die ruimte verskaf.</li> <li>Onthou dat jou eie naam (of die naam van jou skool) NIE op of in hierdie antwoordeboek mag voorkom NIE.</li> <li>Beantwoord ALLE vrae in die ruimtes wat verskaf is.</li> <li>GEEN bladsye mag uit hierdie antwoordeboek geskeur word NIE.</li> <li>Lees die instruksies, wat op jou eksamenrooster gedruk is, sorgvuldig deur, asook enige ander instruksies wat op elke vraestel gegee word.</li> <li>GEEN antwoordeboek mag deur die kandidaat behou of uit die eksamenlokaal verwyder word NIE.</li> <li>Skryf die antwoorde so duidelik moontlik met swart/blou ink. Laat die kantlyne oop.</li> <li>Skryf die nommers van die vrae wat jy beantwoord het op die voorblad van die antwoordeboek waar die punte aangebring word.</li> <li>In geval jy bykomende ruimte benodig vir jou antwoorde: <ol style="list-style-type: none"> <li>Gebruik die bykomende ruimte wat aan die einde van die antwoordeboek verskaf word.</li> <li>As 'n vraag in die bykomende ruimte beantwoord word, dui duidelik die vraagnommer in die kolom aan die LK aan.</li> <li>Trek 'n lyn na elke antwoord.</li> </ol> </li> <li>Trek 'n netjiese lyn deur enige werk/rofwerk wat nie nagesien moet word nie.</li> </ol>

**QUESTION/VRAAG 1**

1.1

26	13	3	18	12	34	24	58	16	10	15	69	20	17	40
----	----	---	----	----	----	----	----	----	----	----	----	----	----	----

	<b>Solution/Oplossing</b>	<b>Marks/ Punte</b>
1.1.1(a)		(2)
1.1.1(b)		(1)
1.1.2		(2)
1.1.3		(3)

1.2

<b>WIND SPEED/WINDSPOED IN km/h (x)</b>	2	6	15	20	25	17	11	24	13	22
<b>TEMPERATURE/TEMPERATUUR IN °C (y)</b>	28	26	22	22	16	20	24	19	26	19

	<b>Solution/Oplossing</b>	<b>Marks/ Punte</b>
1.2.1		(3)

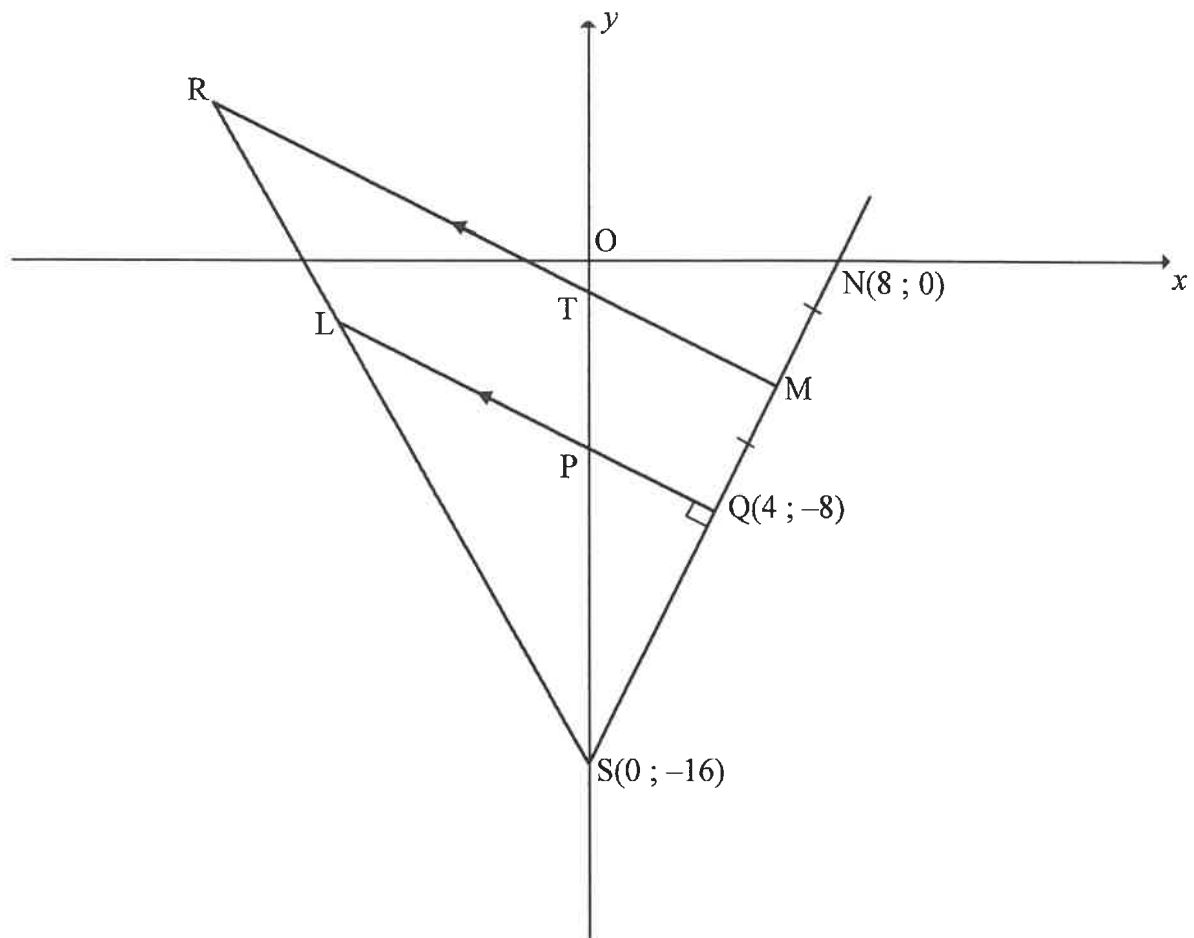
	<b>Solution/Oplossing</b>	<b>Marks/ Punte</b>
1.2.2		(2)
1.2.3		(1)
		<b>[14]</b>

**QUESTION/VRAAG 2**

<b>NUMBER OF DAYS ABSENT GETAL DAE AFWESIG</b>	<b>NUMBER OF LEARNERS GETAL LEERDERS</b>
$0 \leq x < 5$	34
$5 \leq x < 10$	45
$10 \leq x < 15$	98
$15 \leq x < 20$	43
$20 \leq x < 25$	7
$25 \leq x < 30$	3

	<b>Solution/Oplossing</b>	<b>Marks/ Punte</b>
2.1		(1)
2.2		(1)

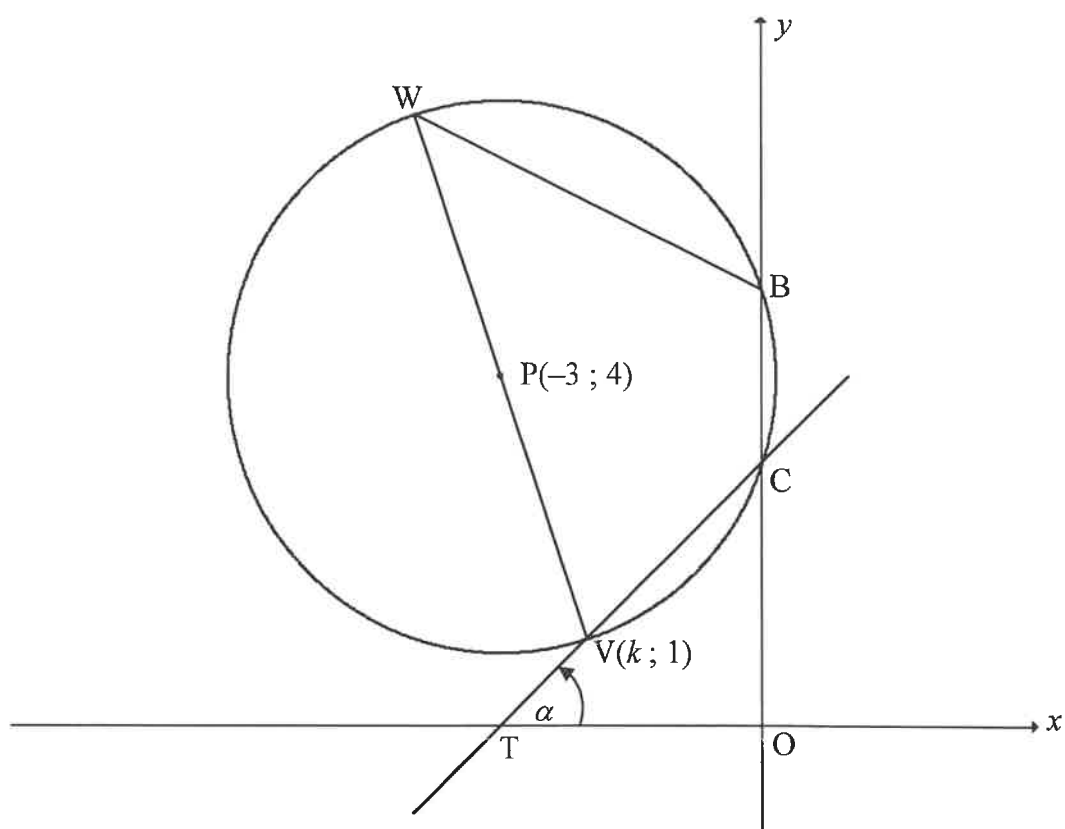
	<b>Solution/Oplossing</b>	<b>Marks/ Punte</b>
2.3		
		(1)
2.4	<p style="text-align: center;"><b>OGIVE/OGIEF</b></p>	
		(4)
2.5		
		(2)
		[9]

**QUESTION/VRAAG 3**

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

	<b>Solution/Oplissing</b>	<b>Marks/ Punte</b>
3.3		(3)
3.4		(2)
3.5		(3)
3.6		(3)
3.7		(4)
		<b>[19]</b>



**QUESTION/VRAAG 4**

	<b>Solution/Oplissing</b>	<b>Marks/ Punte</b>
4.1		(5)
4.2		(4)

	<b>Solution/Oplissing</b>	<b>Marks/ Punte</b>
4.3.1		(3)
4.3.2		(2)
4.4.1		(2)
4.4.2		(2)
4.4.3		(2)
		<b>[20]</b>

**QUESTION/VRAAG 5**

	<b>Solution/Oplissing</b>	<b>Marks/ Punte</b>
5.1		(5)
5.2.1		(2)
5.2.2		(3)

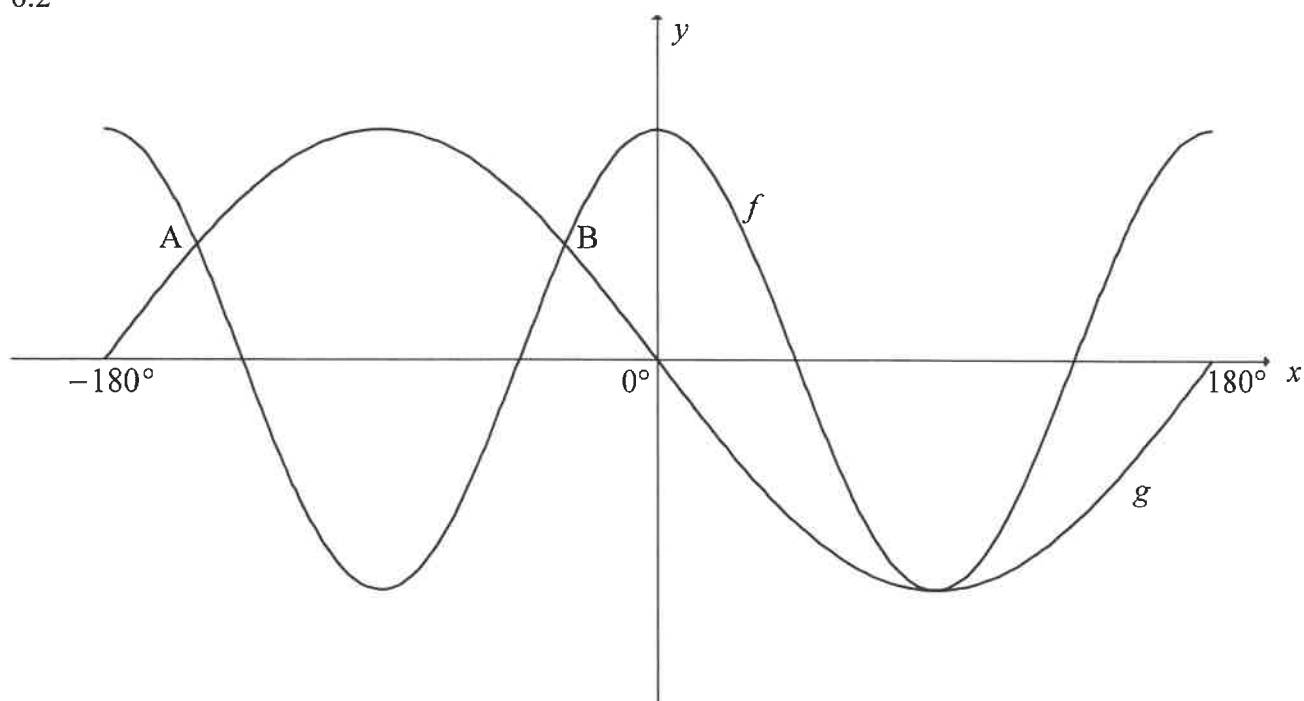
	<b>Solution/Oplossing</b>	<b>Marks/ Punte</b>
5.3		
		(4)
5.4		
		(4)
		<b>[18]</b>

**QUESTION/VRAAG 6**

	<b>Solution/<i>Oplossing</i></b>	<b>Marks/ <i>Punte</i></b>
6.1		

(6)

6.2



	Solution/Oplossing	Marks Punte
6.2.1		(2)
6.2.2		(2)
6.2.3		(3)
		[13]

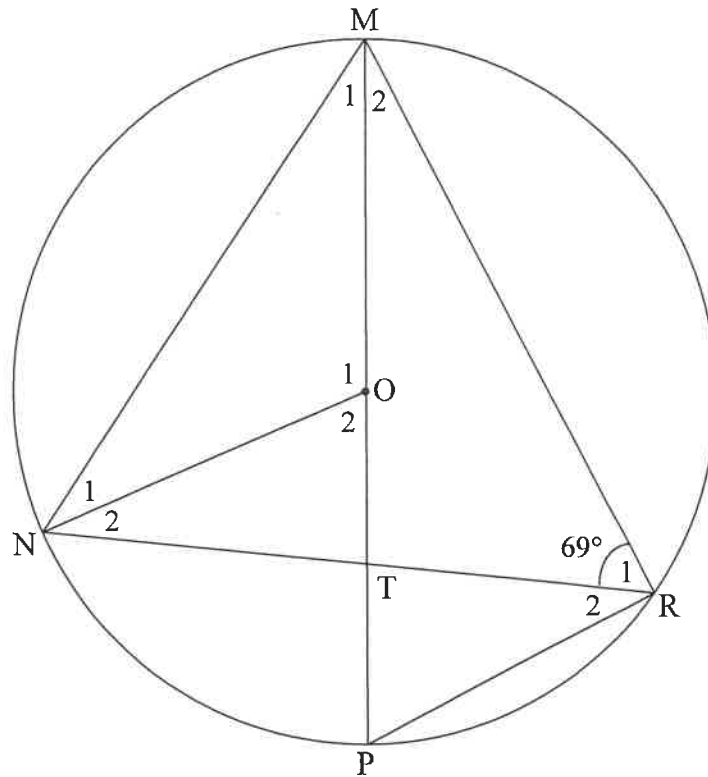


Provide reasons for your statements in QUESTIONS 8, 9 and 10.

Verskaf redes vir jou bewerings in VRAAG 8, 9 en 10.

### QUESTION/VRAAG 8

8.1



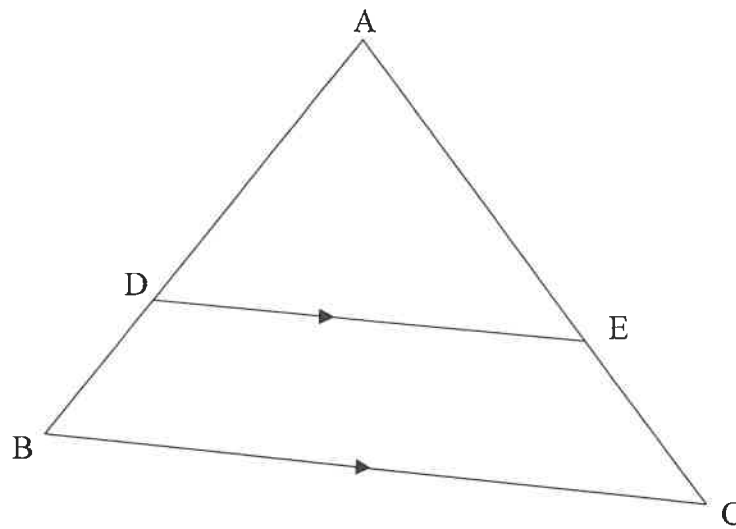
	Solution/Oplissing	Marks/ Punte
8.1.1		(2)
8.1.2		(2)
8.1.3		(2)
8.1.4		(4)





**QUESTION/VRAAG 9**

9.1



	<b>Solution/Oplossing</b>	<b>Marks/ Punte</b>
9.1		
		(6)



	<b>Solution/Oplossing</b>	<b>Marks/ Punte</b>
9.2.2		(2)
9.2.3		(3)
		<b>[17]</b>







Marks/ <i>Punte</i>	
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**TOTAL/TOTAAL:** 150



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