

# **EduElevators with Standard Bank**



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Department  
Basic Education  
**REPUBLIC OF SOUTH AFRICA**

**Senior Certificate Answer Book**  
**Seniorsertifikaat-antwoordeboek**

**CENTRE NUMBER**  
**SENTRUMNOMMER**

**EXAMINATION NUMBER**  
**EKSAMENNOMMER**

DATE  
DATUM

**BOOK NUMBER**  
**BOEKNOMMER**

**OF  
VAN**

**BOOKS**  
**BOEKE**

**SUBJECT CODE**  
**VAKKODE**

**PAPER NUMBER**  
**VRAESTELNOMMER**

2

**SUBJECT NAME**  
**VAKNAAM**

**MATHEMATICS P2/WISKUNDE V2**[illegible]

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

Please turn over/*Blaai om asseblief*

PLEASE FOLLOW THESE INSTRUCTIONS CAREFULLY	VOLG ASSEBLIEF HIERDIE INSTRUKSIES NOUKEURIG
<ol style="list-style-type: none"> <li>1. Clearly write your examination number and centre number in the space provided and attach your barcode label in the space provided.</li> <li>2. Remember that your own name (or the name of your school) may not appear anywhere on or in this answer book.</li> <li>3. Answer ALL questions in the spaces provided.</li> <li>4. No pages may be torn from this answer book.</li> <li>5. Read the instructions printed on your timetable carefully as well as any other instructions which may be given in each examination paper.</li> <li>6. Candidates may not retain an answer book or remove it from the examination room.</li> <li>7. Answers must be written in black/blue ink as distinctly as possible. Do not write in the margins.</li> <li>8. 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>9. If you require additional space for your answers:               <ol style="list-style-type: none"> <li>9.1 Use the additional space provided at the end of the answer book.</li> <li>9.2 When answering a question in the additional space, indicate clearly the question number in the column on the LHS.</li> <li>9.3 Rule off after each answer.</li> </ol> </li> <li>10. Draw a neat line through any work/rough work that must not be marked.</li> </ol>	<ol style="list-style-type: none"> <li>1. Skryf jou eksamennummer en sentrumnummer duidelik in die ruimtes verskaf en plak jou stafieskodeplakker in die ruimte verskaf.</li> <li>2. Onthou dat jou eie naam (of die naam van jou skool) nie op of in hierdie antwoordeboek mag voorkom nie.</li> <li>3. Beantwoord ALLE vrae in die ruimtes wat verskaf is.</li> <li>4. Geen bladsye mag uit hierdie antwoordeboek geskeur word nie.</li> <li>5. Lees die instruksies wat op jou eksamenrooster gedruk is, sorgvuldig deur, asook enige ander instruksies wat in elke eksamenvraestel gegee word.</li> <li>6. Geen antwoordeboek mag deur die kandidaat behou of uit die eksamenlokaal verwyder word nie.</li> <li>7. Skryf die antwoorde so duidelik moontlik met swart/blou ink. Laat die kantlyne oop.</li> <li>8. Skryf die nommers van die vrae wat jy beantwoord het op die voorblad van die antwoordeboek waar die punte aangebring word.</li> <li>9. Indien jy bykomende ruimte nodig het vir jou antwoorde:               <ol style="list-style-type: none"> <li>9.1 Gebruik die bykomende ruimte wat aan die einde van die antwoordeboek verskaf word.</li> <li>9.2 As 'n vraag in die bykomende ruimte beantwoord word, dui duidelik die vraagnommer in die kolom aan die LK aan.</li> <li>9.3 Trek 'n lyn na elke antwoord.</li> </ol> </li> <li>10. Trek 'n netjiese lyn deur enige werk/rofwerk wat nie nagesien moet word nie.</li> </ol>



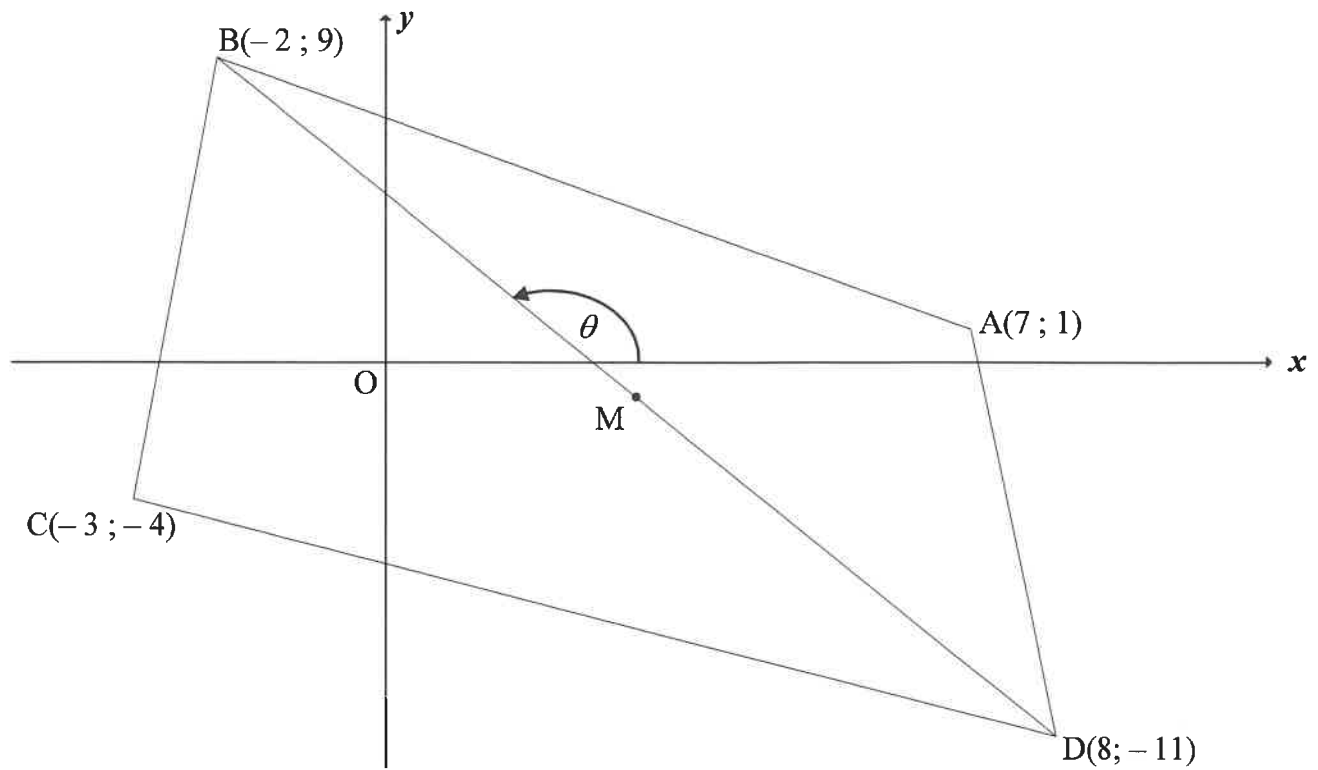
	<b>Solution/Oplossing</b>	<b>Marks Punte</b>
1.3		(1)
1.4		(1)
1.5.1		(1)
1.5.2		(2)
		<b>[11]</b>

**QUESTION/VRAAG 2**

<b>CHIRPS/TJIRPGELUIDE PER MINUTE/ PER MINUUT</b>	<b>AIR TEMPERATURE/ LUGTEMPERATUUR IN °C</b>
32	8
40	10
52	12
76	15
92	17
112	20
128	25
180	28
184	30
200	35

	<b>Solution/Oplissing</b>	<b>Marks Punte</b>
2.1	<p style="text-align: center;"><b>SCATTER PLOT/SPREIDIAGRAM</b></p>	(3)

	<b>Solution/<i>Oplossing</i></b>	<b>Marks <i>Punte</i></b>
2.2		(1)
2.3		(3)
2.4		(2)
		<b>[9]</b>

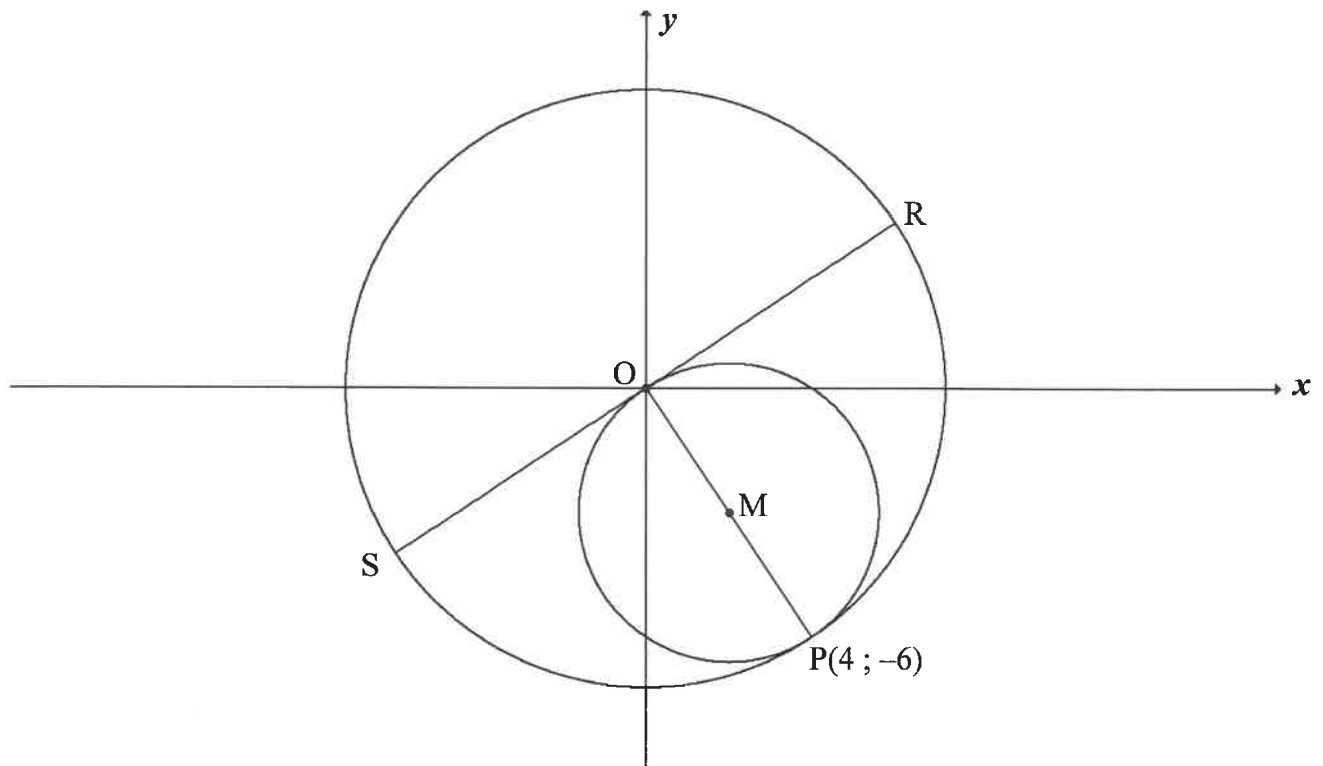
**QUESTION/VRAAG 3**

	<b>Solution/Oplossing</b>	<b>Marks Punte</b>
3.1		(2)
3.2.1		(2)



	<b>Solution/Oplossing</b>	<b>Marks Punte</b>
3.2.2		(4)
3.3		(3)
3.4.1		(2)
3.4.2		(3)

	<b>Solution/Oplossing</b>	<b>Marks Punte</b>
3.4.3		(2)
3.4.4		(5)
		<b>[23]</b>

**QUESTION/VRAG 4**

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

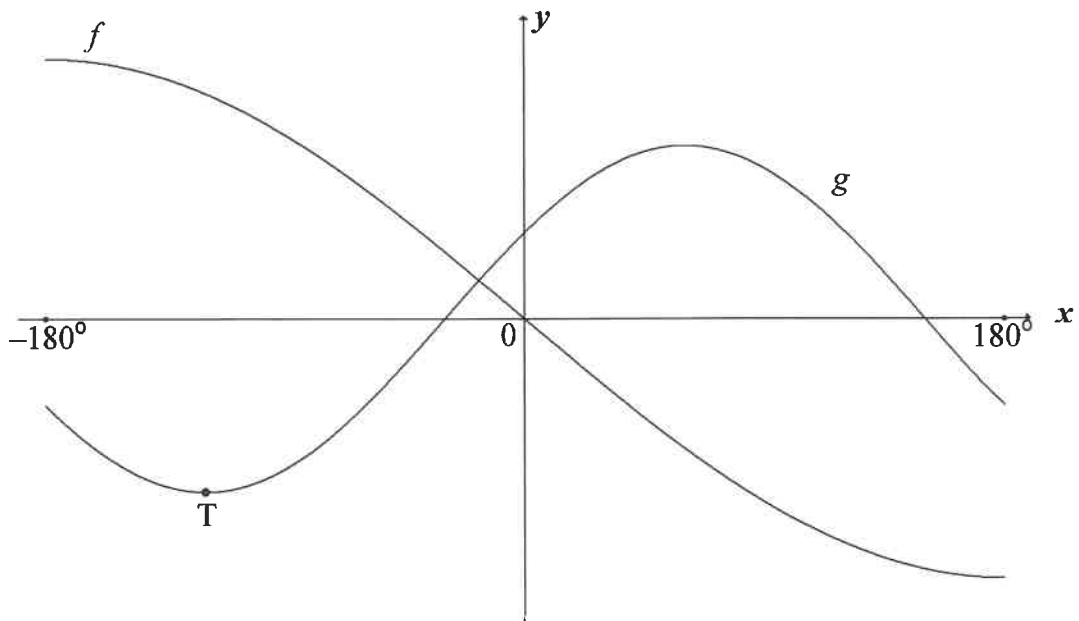
	<b>Solution/<i>Oplossing</i></b>	<b>Marks <i>Punte</i></b>
4.2.2	<hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>	(3)
4.2.3	<hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>	(3)
4.3	<hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>	(4)

	<b>Solution/<i>Oplossing</i></b>	<b>Marks <i>Punte</i></b>
4.4		
		(3)
		[17]

**QUESTION/VRAAG 5**

	<b>Solution/Oplossing</b>	<b>Marks Punte</b>
5.1.1		(3)
5.1.2		(2)
5.2		(4)

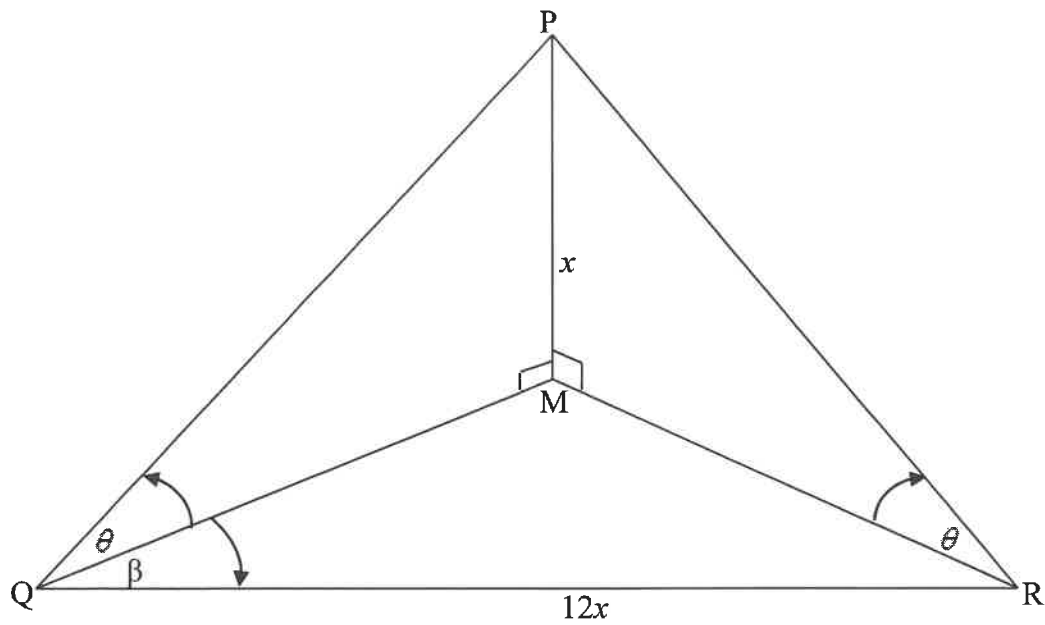
	<b>Solution/Oplossing</b>	<b>Marks Punte</b>
5.3.1		(2)
5.3.2		(7)
		<b>[18]</b>

**QUESTION/VRAAG 6**

	<b>Solution/Oplossing</b>	<b>Marks Punte</b>
6.1		(1)
6.2		(2)
6.3		(3)



	<b>Solution/<i>Oplossing</i></b>	<b>Marks <i>Punte</i></b>
6.4.1		(3)
6.4.2		(4)
		<b>[13]</b>

**QUESTION/VRAAG 7**

	<b>Solution/Oplissing</b>	<b>Marks Punte</b>
7.1		(2)
7.2		

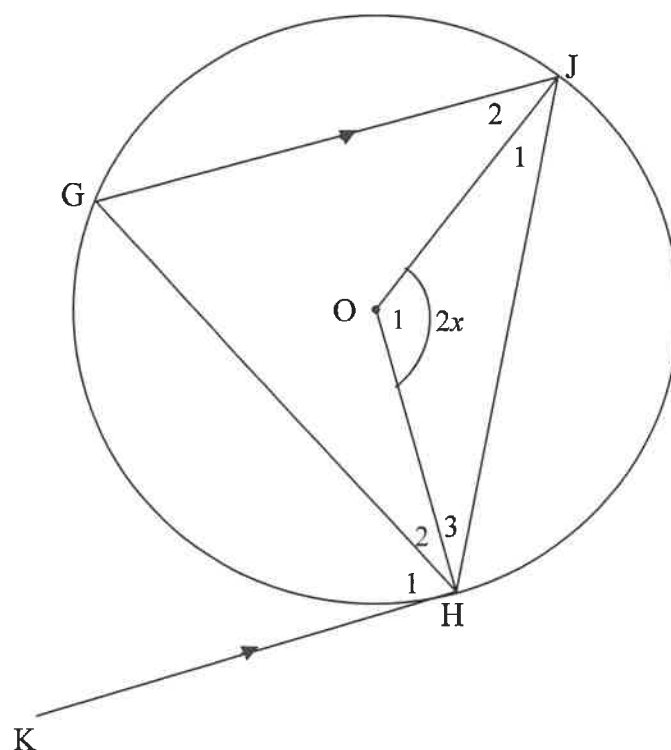
	<b>Solution/<i>Oplossing</i></b>	<b>Marks <i>Punte</i></b>
7.2 cont.		
		(4)
7.3		
		(3)
		[9]

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

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

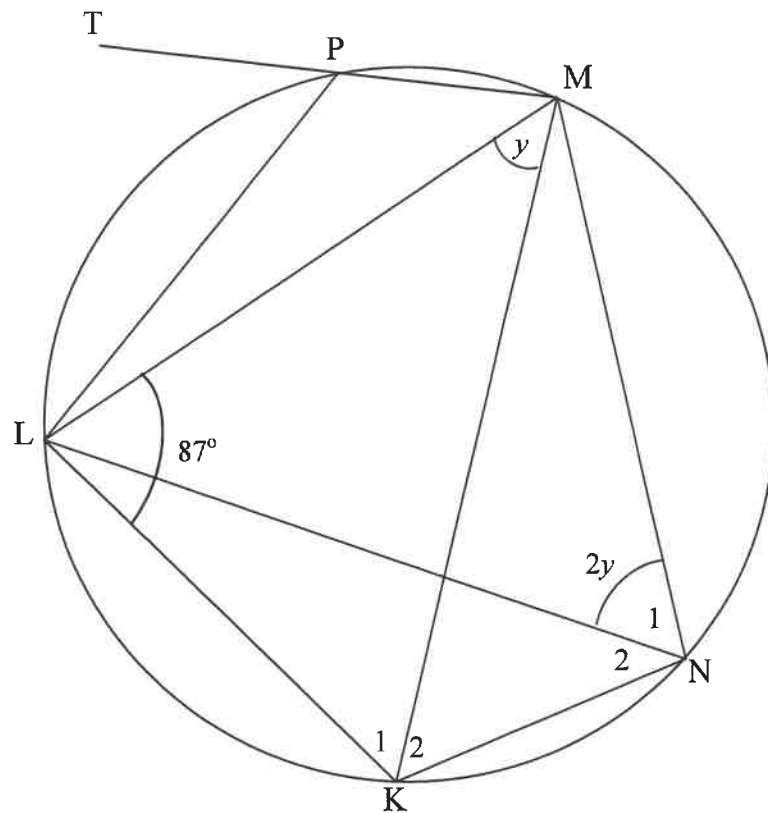
### QUESTION/VRAAG 8

8.1



	Solution/Oplossing	Marks Punte
8.1.1		(5)
8.1.2		(3)

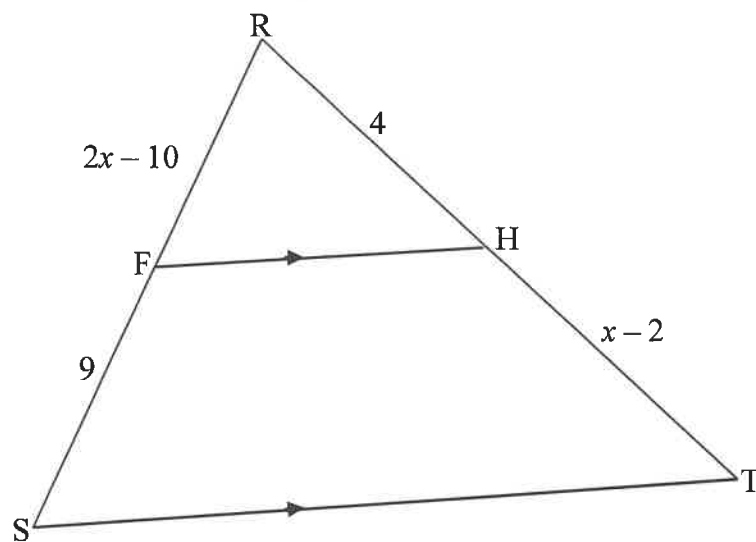
8.2



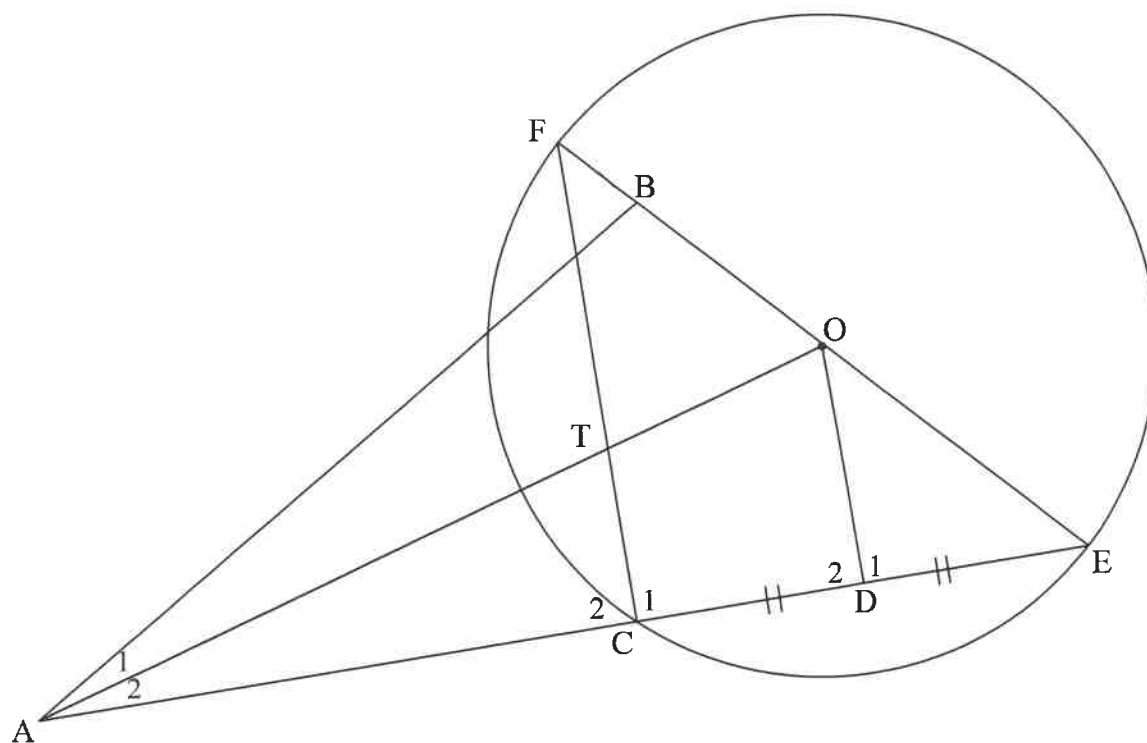
	Solution/Oplissing	Marks Punte
8.2.1		(2)
8.2.2(a)		(3)
8.2.2(b)		(2)
		[15]



9.2



	<b>Solution/Oplissing</b>	<b>Marks Punte</b>
9.2.1		
		(5)
9.2.2		
		(4)
		<b>[14]</b>

**QUESTION/VRAAG 10**

	<b>Solution/Oplossing</b>	<b>Marks Punte</b>
10.1.1		(5)
10.1.2		(4)









[illegible]