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Department
Basic Education
REPUBLIC OF SOUTH AFRICA

Senior Certificate Answer Book
Seniorsertifikaat-antwoordeboek

CENTRE NUMBER
SENTRUMNOMMER

EXAMINATION NUMBER
EKSAMENNUMMER

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

QUESTION/VRAAG 1

110	112	156	164	167	169
171	176	192	228	278	360

	Solution/Oplossing	Marks Punte
1.1.1	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>	(3)
1.1.2	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>	(1)
1.2	<div style="border: 1px solid black; height: 100px; width: 100%; position: relative;"> <div style="position: absolute; bottom: 10px; left: 10px;"> </div> </div>	(2)

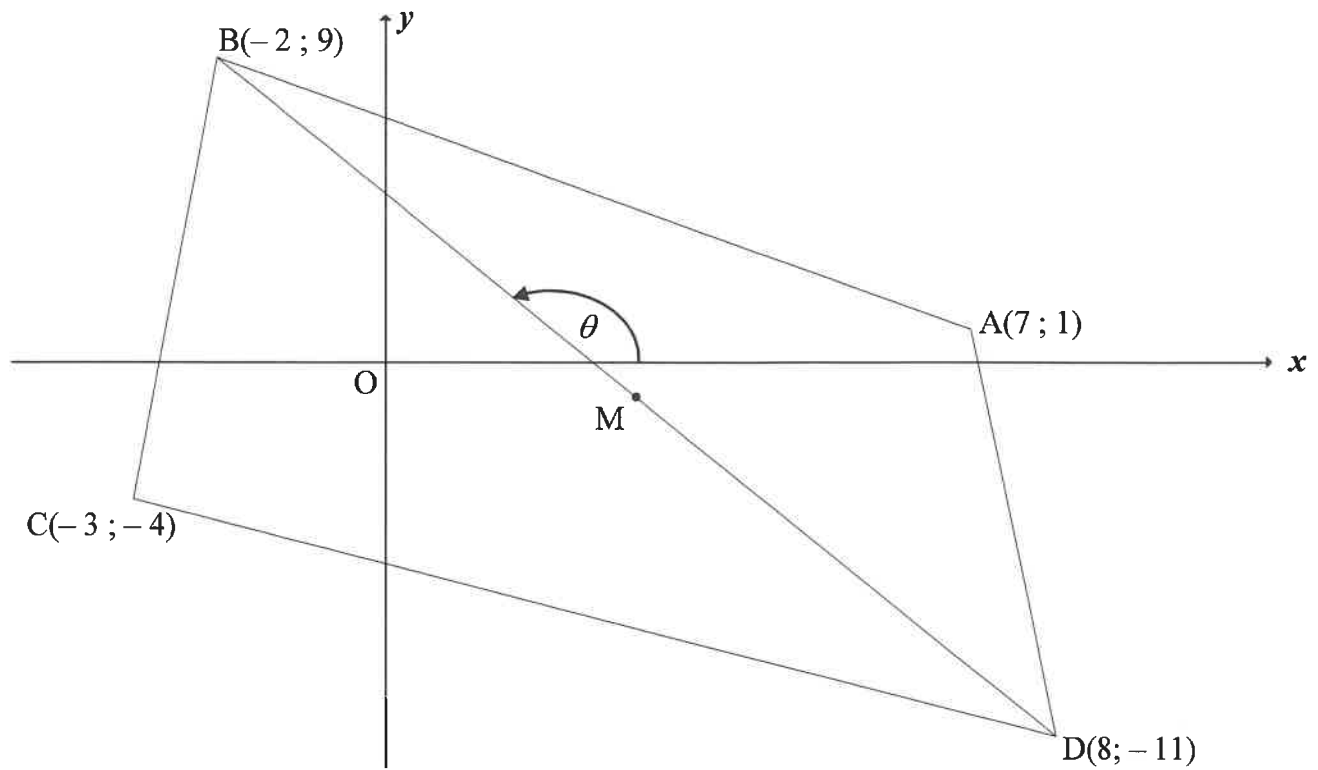
	Solution/Oplossing	Marks Punte
1.3		(1)
1.4		(1)
1.5.1		(1)
1.5.2		(2)
		[11]

QUESTION/VRAAG 2

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

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

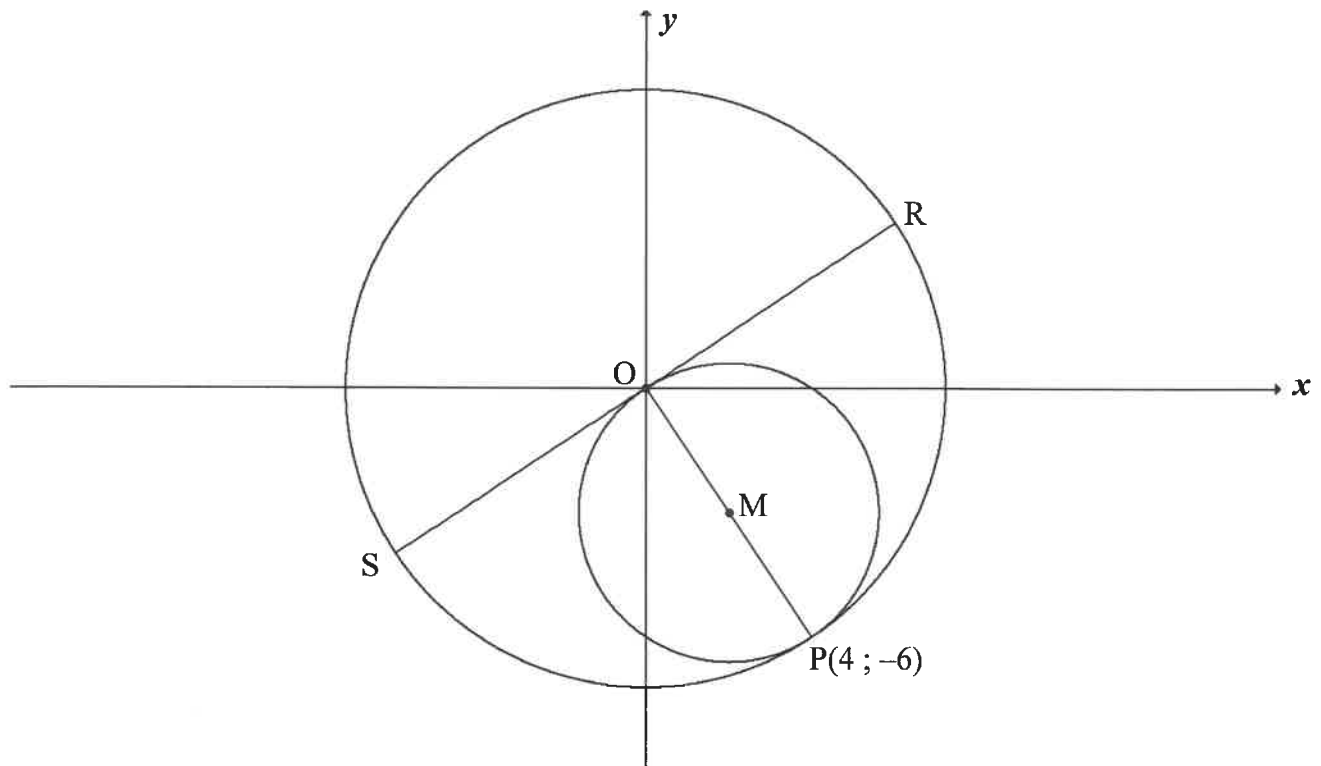
	Solution/<i>Oplossing</i>	Marks <i>Punte</i>
2.2		(1)
2.3		(3)
2.4		(2)
		[9]

QUESTION/VRAAG 3

	Solution/Oplossing	Marks Punte
3.1		(2)
3.2.1		(2)

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

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

QUESTION/VRAG 4

	Solution/Oplossing	Marks Punte
4.1		(2)
4.2.1		(2)

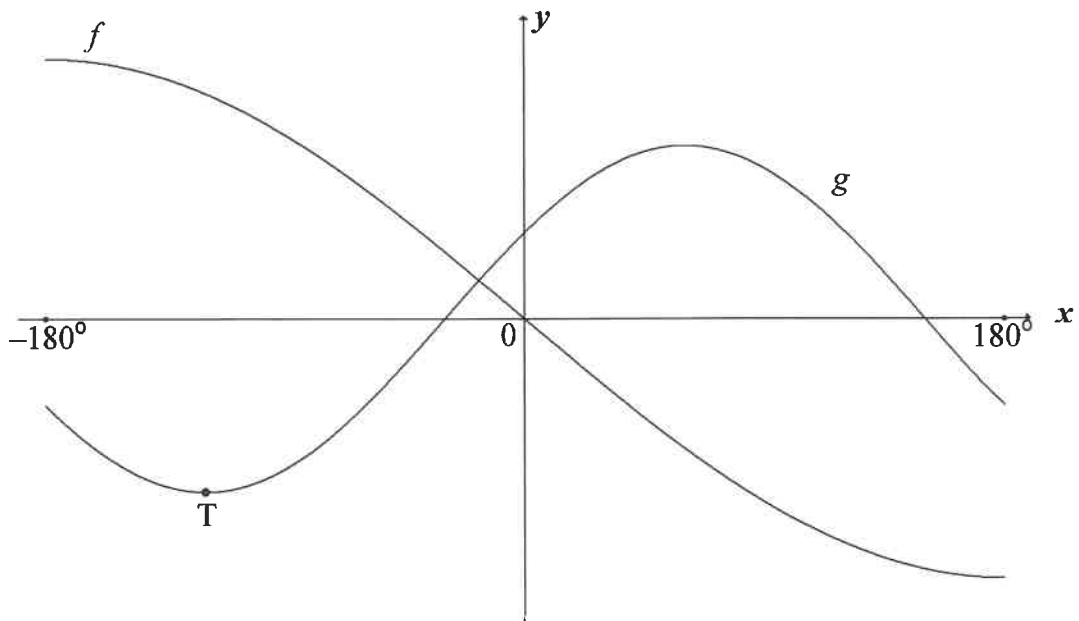
	Solution/<i>Oplossing</i>	Marks <i>Punte</i>
4.2.2	<hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>	(3)
4.2.3	<hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>	(3)
4.3	<hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>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

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

QUESTION/VRAAG 5

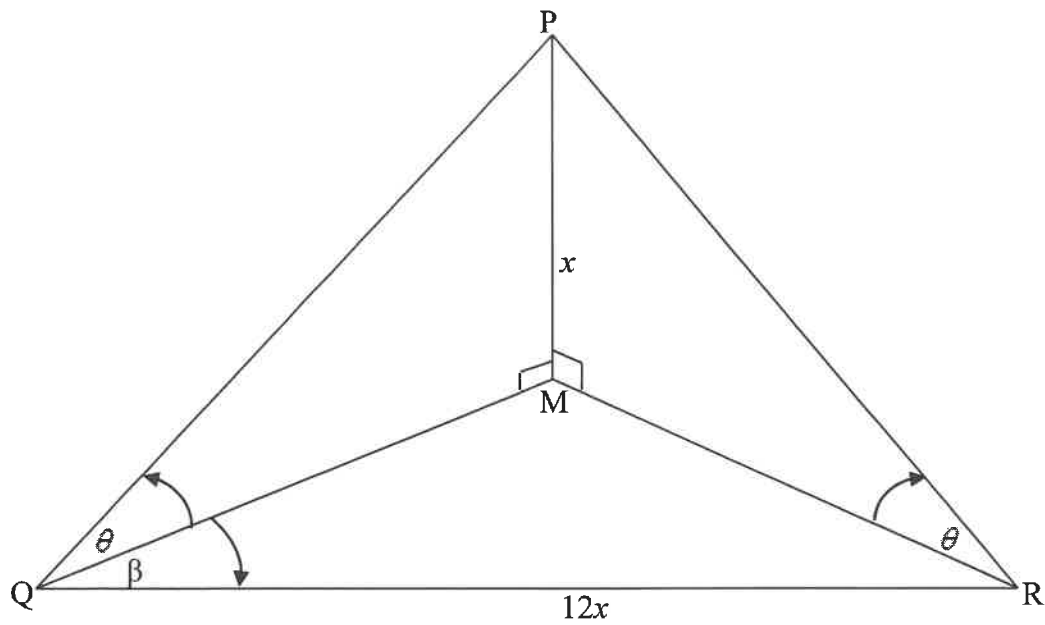
	Solution/Oplossing	Marks Punte
5.1.1		(3)
5.1.2		(2)
5.2		(4)

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

QUESTION/VRAAG 6

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

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

QUESTION/VRAAG 7

	Solution/Oplissing	Marks Punte
7.1		(2)
7.2		

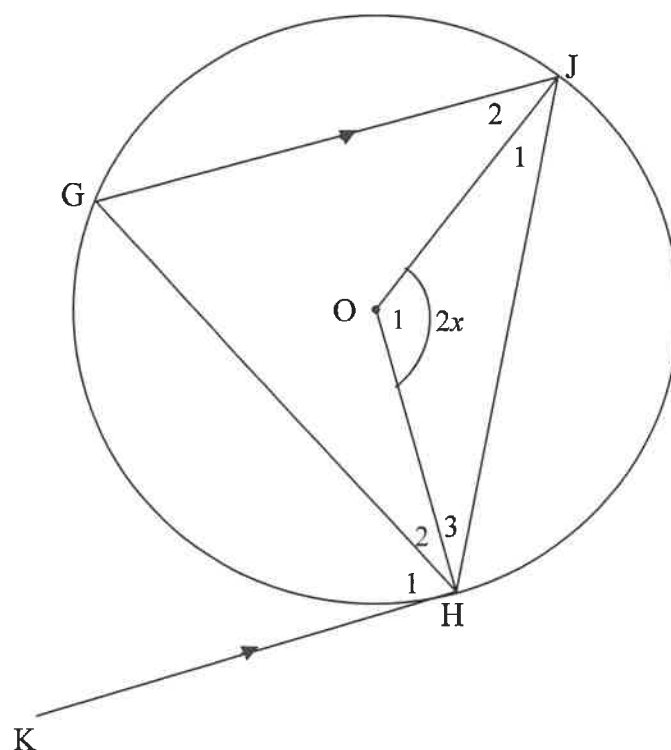
	Solution/<i>Oplossing</i>	Marks <i>Punte</i>
7.2 cont.		(4)
7.3		(3)
		[9]

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

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

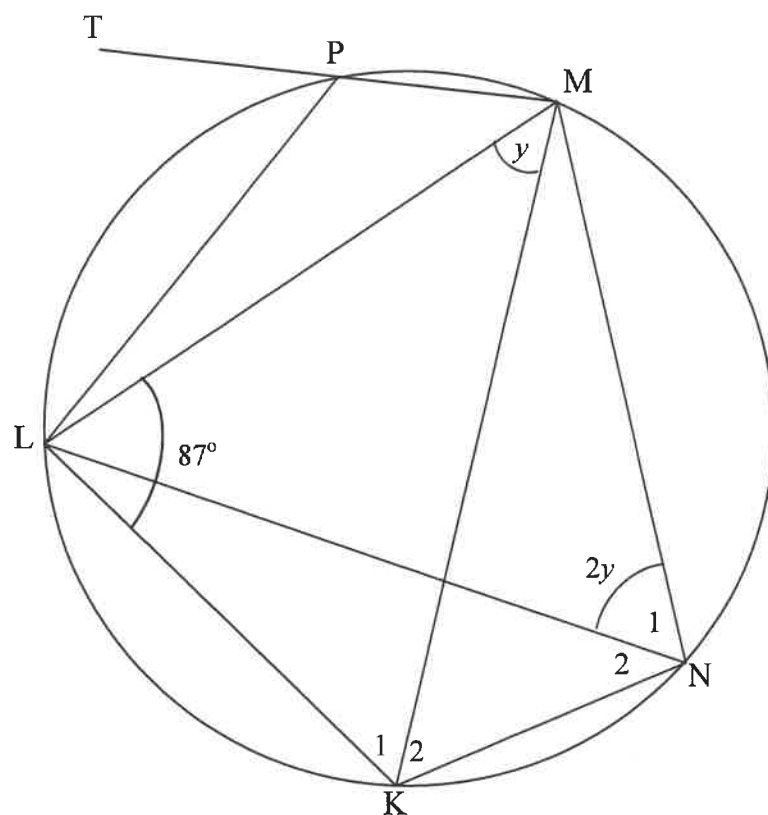
QUESTION/VRAAG 8

8.1



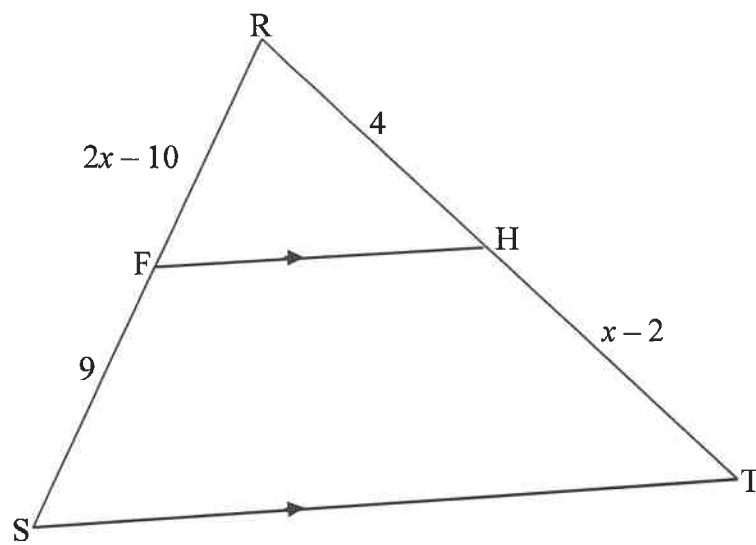
	Solution/Oplossing	Marks Punte
8.1.1		(5)
8.1.2		(3)

8.2

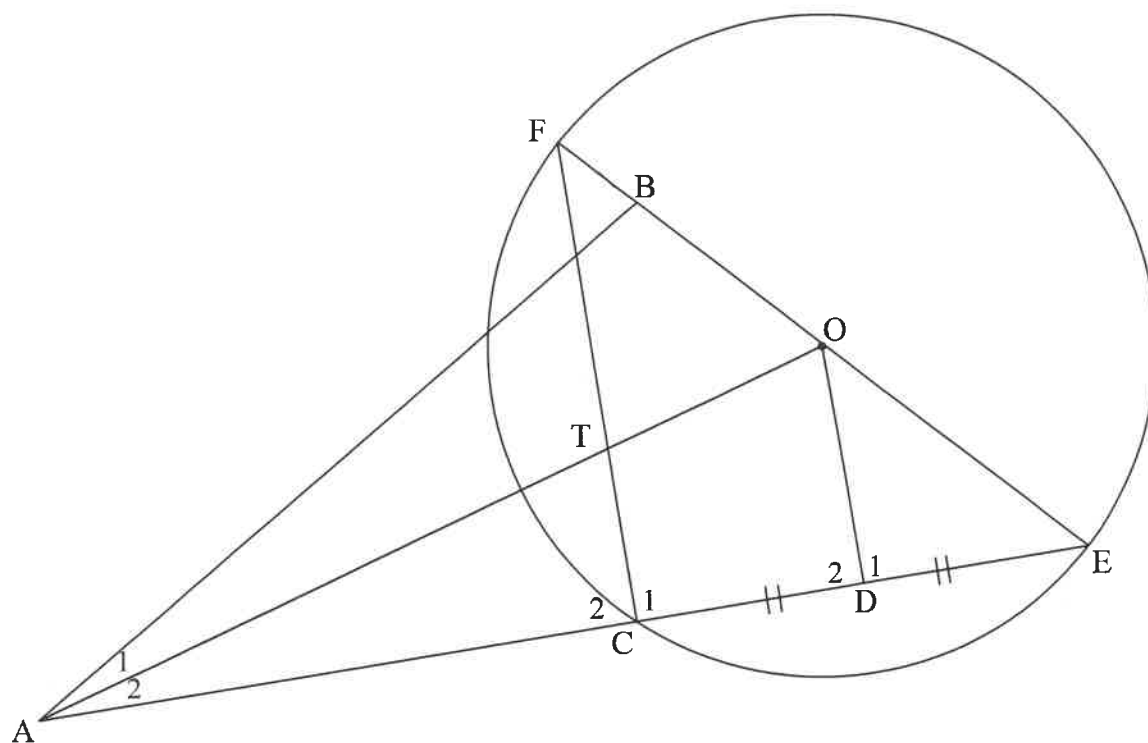


	Solution/Oplossing	Marks Punte
8.2.1		(2)
8.2.2(a)		(3)
8.2.2(b)		(2)
		[15]

9.2



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

QUESTION/VRAAG 10

	Solution/Oplossing	Marks Punte
10.1.1		(5)
10.1.2		(4)

