

SA's Leading Past Year

Exam Paper Portal



You have Downloaded, yet Another Great
Resource to assist you with your Studies 😊

Thank You for Supporting SA Exam Papers

Your Leading Past Year Exam Paper Resource Portal

Visit us @ www.saexampapers.co.za



SA EXAM
PAPERS



Candidate Barcode label/Stafieskodeplakker

SC/NSC Answer Book
SS/NSS-antwoordeboek

Senior Certificate/National Senior Certificate/*Senior Sertifikaat/Nasionale Senior Sertifikaat* (Grade 12/*Graad 12*) 2022

CENTRE NUMBER SENTRUMNOMMER							
--------------------------------	--	--	--	--	--	--	--

[illegible]

DATE DATUM	
---------------	--

BOOK NUMBER BOEKNUMMER		OF VAN		BOOKS BOEKE
---------------------------	--	-----------	--	----------------

SUBJECT CODE VAKKODE					
-------------------------	--	--	--	--	--

PAPER NUMBER VRAESTELNOMMER	2
--------------------------------	---

SUBJECT NAME VAKNAAM	MATHEMATICS/WISKUNDE
-------------------------	-----------------------------

[illegible]

**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
- 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 question 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: - Use the additional space provided at the end of the answer book. - When answering a question in the additional space, clearly indicate 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.	- Skryf jou eksamennummer en sentrumnummer 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 op elke vraestel 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. - In geval jy bykomende ruimte benodig vir jou antwoorde: - 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

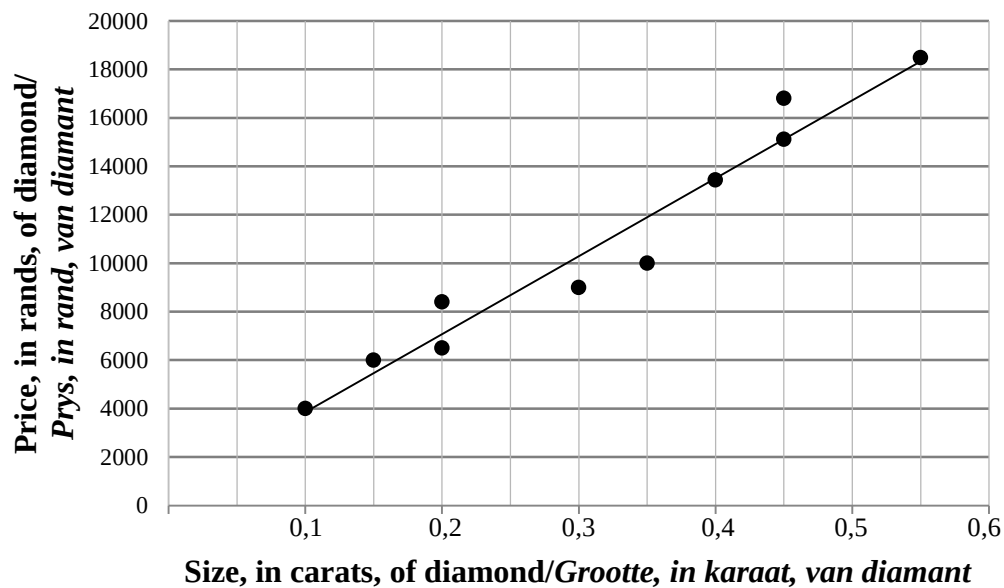
	Solution/Oplossing	Marks Punte																								
1.1		(1)																								
1.2	<table border="1"> <thead> <tr> <th>MASS (in kg)/ MASSA (in kg)</th><th>FREQUENCY/ FREKWENSIE</th><th>CUMULATIVE FREQUENCY/ KUMULATIEWE FREKWENSIE</th></tr> </thead> <tbody> <tr><td>$5 < m \leq 7$</td><td>6</td><td></td></tr> <tr><td>$7 < m \leq 9$</td><td>18</td><td></td></tr> <tr><td>$9 < m \leq 11$</td><td>21</td><td></td></tr> <tr><td>$11 < m \leq 13$</td><td>19</td><td></td></tr> <tr><td>$13 < m \leq 15$</td><td>11</td><td></td></tr> <tr><td>$15 < m \leq 17$</td><td>4</td><td></td></tr> <tr><td>$17 < m \leq 19$</td><td>1</td><td></td></tr> </tbody> </table>	MASS (in kg)/ MASSA (in kg)	FREQUENCY/ FREKWENSIE	CUMULATIVE FREQUENCY/ KUMULATIEWE FREKWENSIE	$5 < m \leq 7$	6		$7 < m \leq 9$	18		$9 < m \leq 11$	21		$11 < m \leq 13$	19		$13 < m \leq 15$	11		$15 < m \leq 17$	4		$17 < m \leq 19$	1		(2)
MASS (in kg)/ MASSA (in kg)	FREQUENCY/ FREKWENSIE	CUMULATIVE FREQUENCY/ KUMULATIEWE FREKWENSIE																								
$5 < m \leq 7$	6																									
$7 < m \leq 9$	18																									
$9 < m \leq 11$	21																									
$11 < m \leq 13$	19																									
$13 < m \leq 15$	11																									
$15 < m \leq 17$	4																									
$17 < m \leq 19$	1																									
1.3	Ogive/Ogief	(3)																								

	Solution/Oplossing	Marks Punte
1.4		(2)
1.5.1		(2)
1.5.2		(2)
		[12]

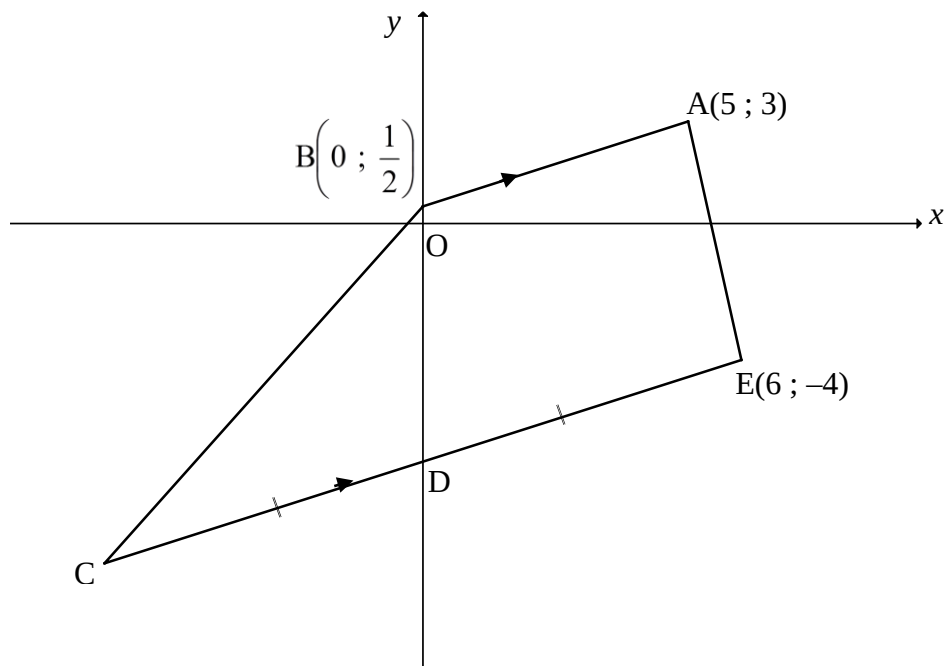


QUESTION/VRAAG 2

Size, in carats, of diamond (x)/ Grootte, in karaat, van diamant (x)	0,1	0,15	0,2	0,2	0,3	0,35	0,4	0,45	0,45	0,55
Price, in rands, of diamond (y)/ Prys, in rand, van diamant (y)	4 000	6 000	6 500	8 400	9 000	10 000	13 440	15 120	16 800	18 480

SCATTER PLOT / SPREIDIAGRAM

	Solution/Oplossing	Marks Punte
2.1		(3)
2.2		(2)
2.3		(2)
2.4		(1)
		[8]

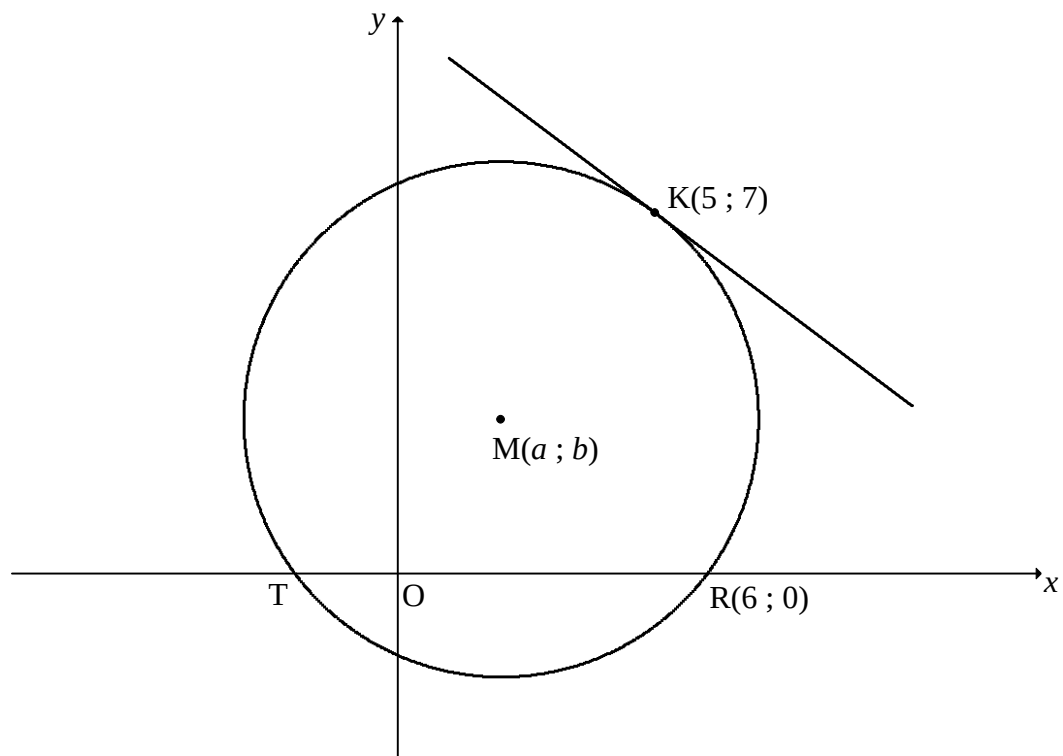
QUESTION/VRAAG 3

	Solution/Oplossing	Marks Punte
3.1		(2)
3.2		(3)
3.3.1		(3)



	Solution/Oplossing	Marks Punte
3.3.2		(4)
3.4.1		(2)
3.4.2(a)		(4)
3.4.2(b)		(3)
		[21]



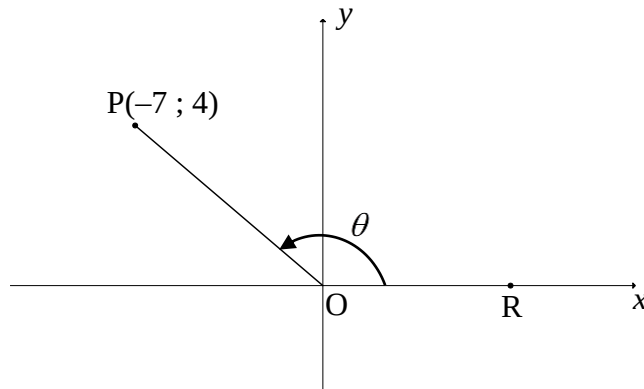
QUESTION/VRAAG 4

	Solution/Oplossing	Marks Punte
4.1.1		(1)
4.1.2		(5)

	Solution/Oplossing	Marks Punte
4.2.1		(2)
4.2.2		(2)
4.3		(5)
4.4.1		(2)
4.4.2		(3)
		[20]

QUESTION/VRAAG 5

5.1



	Solution/Oplossing	Marks Punte
5.1.1		(2)
5.1.2(a)		(1)
5.1.2(b)		(2)
5.2		(7)



	Solution/Oplossing	Marks Punte
5.3.1		(3)
5.3.2		(3)
		[18]

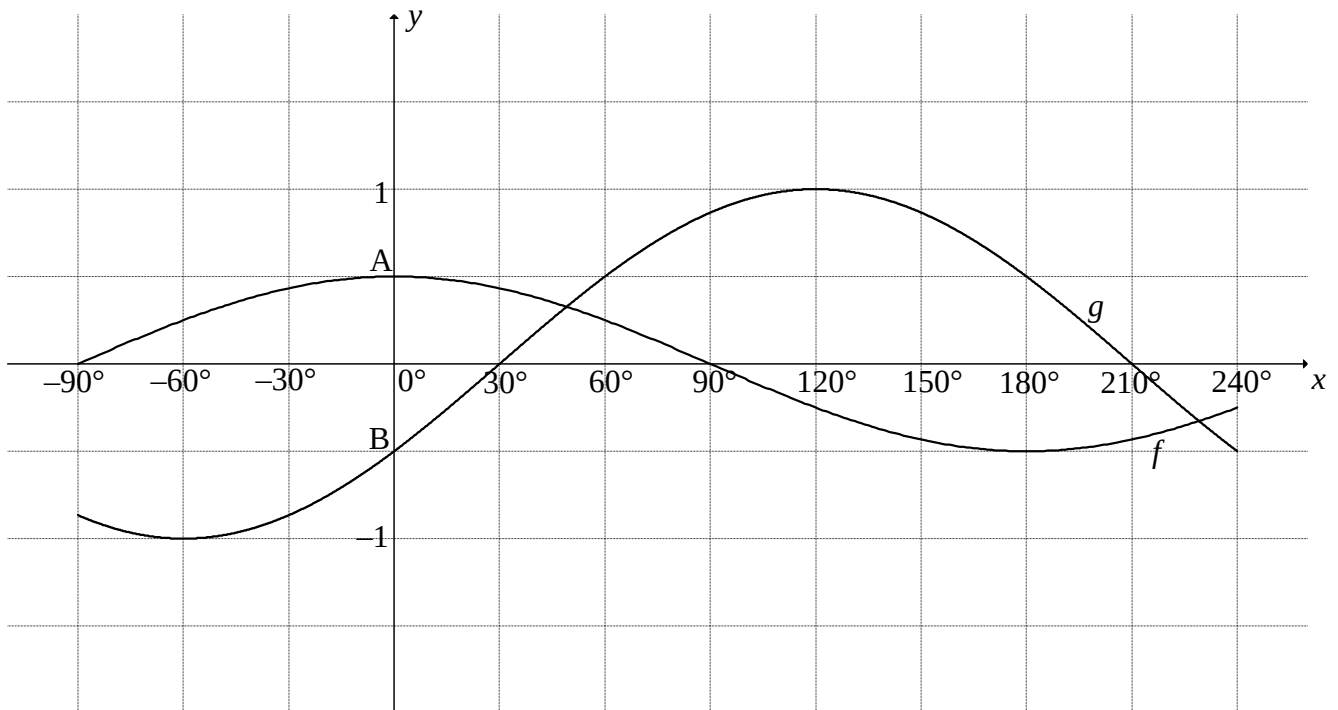


QUESTION/VRAAG 6

	Solution/Oplossing	Marks Punte
6.1		(6)
6.2.1		(3)
6.2.2		(3)
		[12]

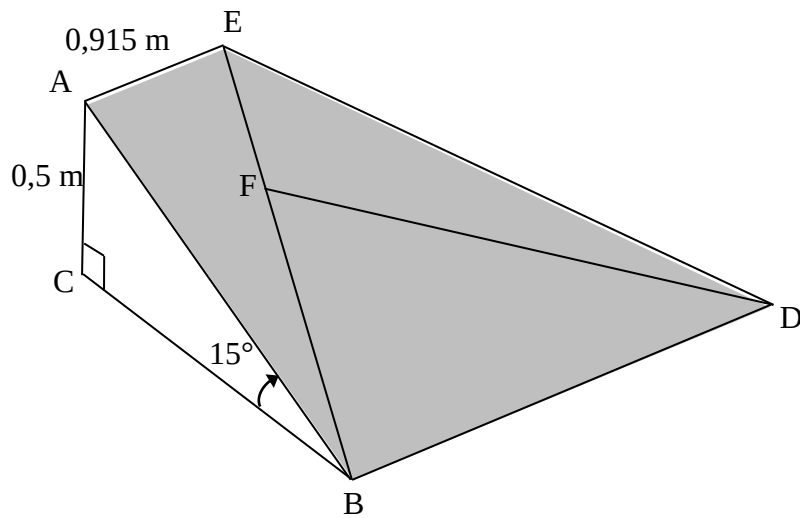
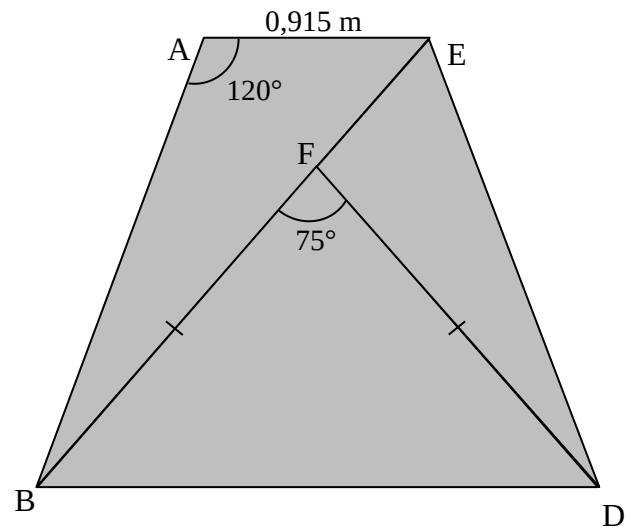


QUESTION/VRAAG 7



	Solution/Oplossing	Marks Punte
7.1		(2)
7.2		(2)
7.3		(2)
7.4.1		(2)
7.4.2		(2)
		[10]



QUESTION/VRAAG 8**FIGURE I/FIGUUR I****FIGURE II (top view)/FIGUUR II (boaansig)**

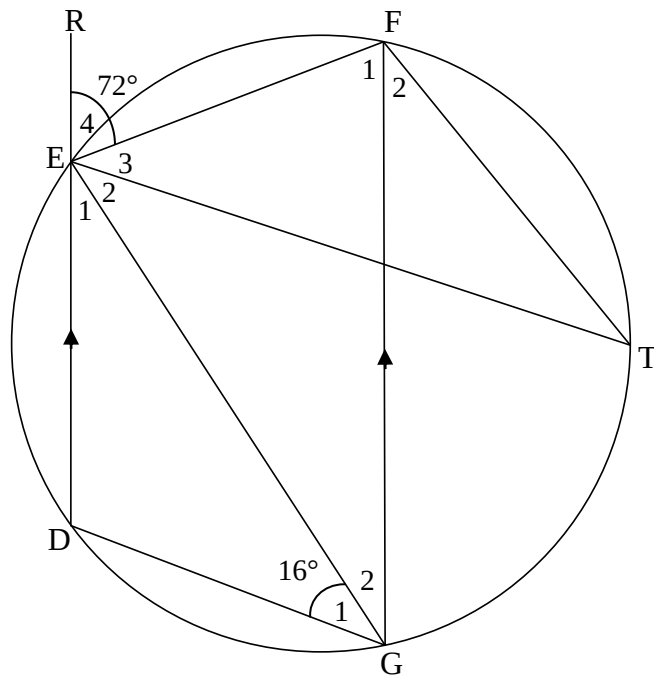
	Solution/Oplossing	Marks Punte
8.1		(2)
8.2		(3)
8.3		(3)
		[8]



Give reasons for your statements in QUESTIONS 9 en 10.
 Gee redes vir jou bewerings in VRAAG 9 en 10.

QUESTION/VRAAG 9

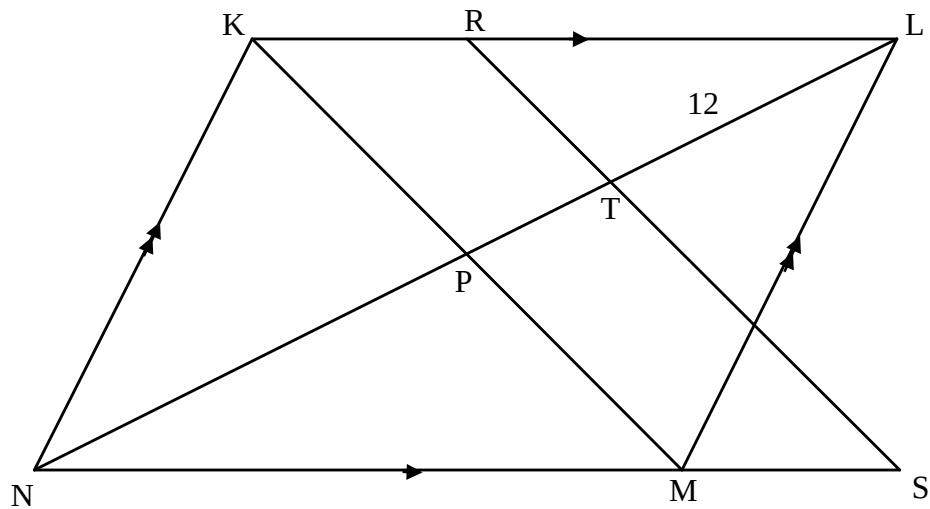
9.1



	Solution/Oplossing	Marks Punte
9.1.1		(2)
9.1.2		(2)
9.1.3		(2)



9.2

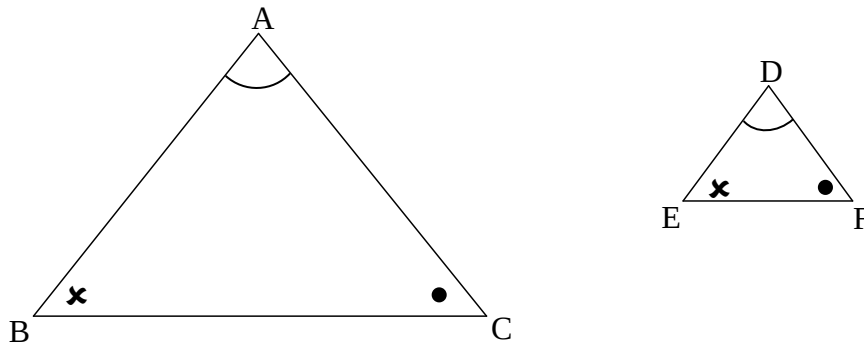


	Solution/Oplossing	Marks Punte
9.2.1		(4)
9.2.2		(2)
9.2.3		(4)
		[16]



QUESTION/VRAAG 10

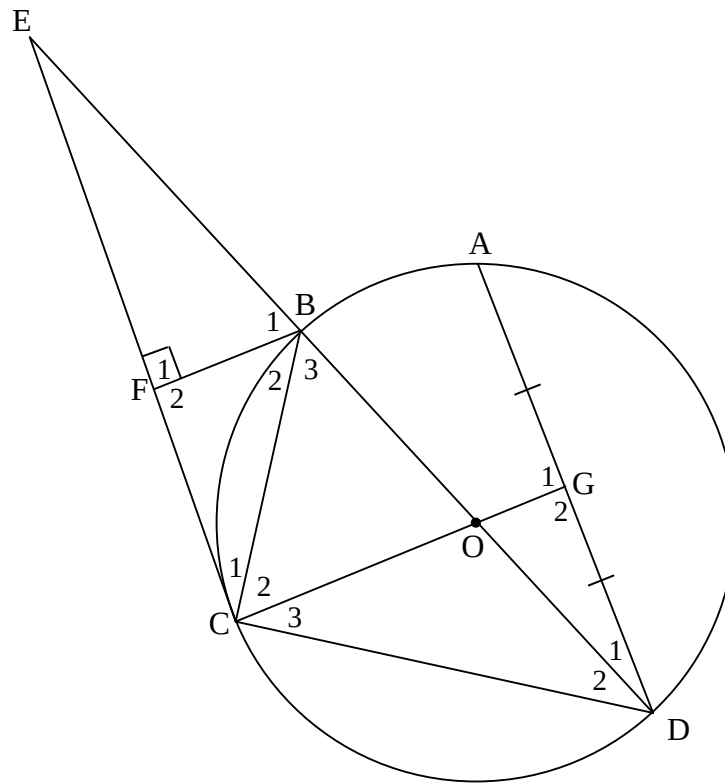
10.1



	Solution/Oplossing	Marks Punte
10.1		
		(6)



10.2



	Solution/Oplissing	Marks Punte
10.2.1(a)		(3)



	Solution/Oplissing	Marks Punte
10.2.1(b)		(5)
10.2.2		(1)
10.2.3		(5)
10.2.4		(5)
		[25]

[illegible]

