



**PREPARATORY EXAMINATION /
VOORBEREIDENDE EKSAMEN
2017
ANSWER BOOK
ANTWOORDBOEK**

CENTRE NUMBER SENTRUMNOMMER							
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CANDIDATE'S NAME LEERDER SE NAAM			
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DATE DATUM							
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BOOK NUMBER BOEKNOMMER		OF VAN		BOOKS BOEKE
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ONDERWYSER TEACHER			
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PAPER NUMBER VRAESTELNOMMER	2
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SUBJECT NAME VAKNAAM	MATHEMATICS/WISKUNDE
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This answer book consists of 24 pages./Hierdie antwoordeboek bestaan uit 24 bladsye.

MATHEMATICS: P2 ANSWER BOOK
1061E



10612Y

X10



MARKER/NASIENER			MODERATOR'S INITIALS MODERATORPARAAF		
Question Vraag	Marks Punte	Marker's Code & Initials	Marks Punte	IM	EM
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					

				TOTAL TOTAAL				

CONTROLLED AND CERTIFIED
CORRECT
(SURNAME AND INITIALS OF EA)

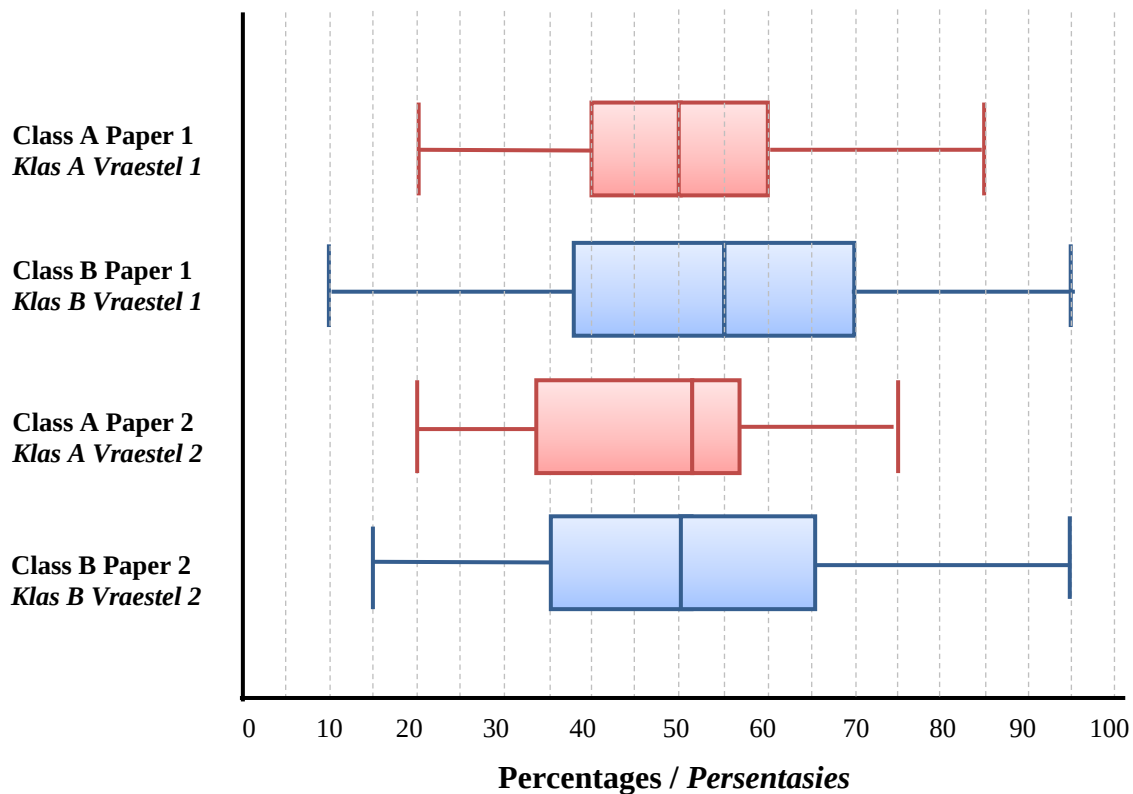
RE-MARK/RE-CHECK/ HERNASIEN/HERKONTROLEER		
Question Vraag	Marks Punte	Initials Paraaf
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		

TOTAL TOTAAL			
HASH TOTAL KAF TOTAAL			

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

FOLLOW THESE INSTRUCTIONS CAREFULLY	VOLG HIERDIE INSTRUKSIES NOUKEURIG
1. Answer ALL questions in the spaces provided. 2. No pages may be torn from this answer book. 3. Candidates may not retain an answer book or remove it from the examination room. Answer books must be returned to the invigilator at the end of the examination session. 4. Answers must be written in black/blue ink as distinctly as possible. Do not write in the margins. 5. Indicate the questions you have answered by drawing a circle around the relevant numbers on the front cover of the answer book where marks are to be recorded. 6. Rule-off through any work/rough work that must not be marked. 7. In the event that you use the additional space provided: 7.1 Write down the number of the question. 7.2 Leave a line and rule off after your answer.	1. <i>Beantwoord ALLE vrae in die ruimtes wat voorsien is.</i> 2. <i>Geen bladsye mag uit hierdie antwoordeboek geskeur word nie.</i> 3. <i>Geen antwoordeboek mag deur die kandidaat behou of uit die eksamenlokaal verwyder word nie. Antwoordeboeke moet aan die toesighouer terugbesorg word aan die einde van die eksamensessie.</i> 4. <i>Skryf die antwoorde so duidelik moontlik met swart/blou ink. Moenie in die kantlyn skryf nie.</i> 5. <i>Dui die vrae wat jy beantwoord het aan op die voorblad van die antwoordeboek waar die punte aangebring word, deur 'n kringetjie te trek om die nommers van die vrae wat jy beantwoord het.</i> 6. <i>Trek 'n netjiese lyn deur enige werk/rofwerk wat nie nagesien moet word nie.</i> 7. <i>Ingeval jy die bykomende ruimte wat voorsien word, gebruik:</i> 7.1 <i>Skryf die nommer van die vraag neer.</i> 7.2 <i>Laat 'n lyn oop en trek 'n lyn na jou antwoord.</i>

QUESTION/VRAAG 1



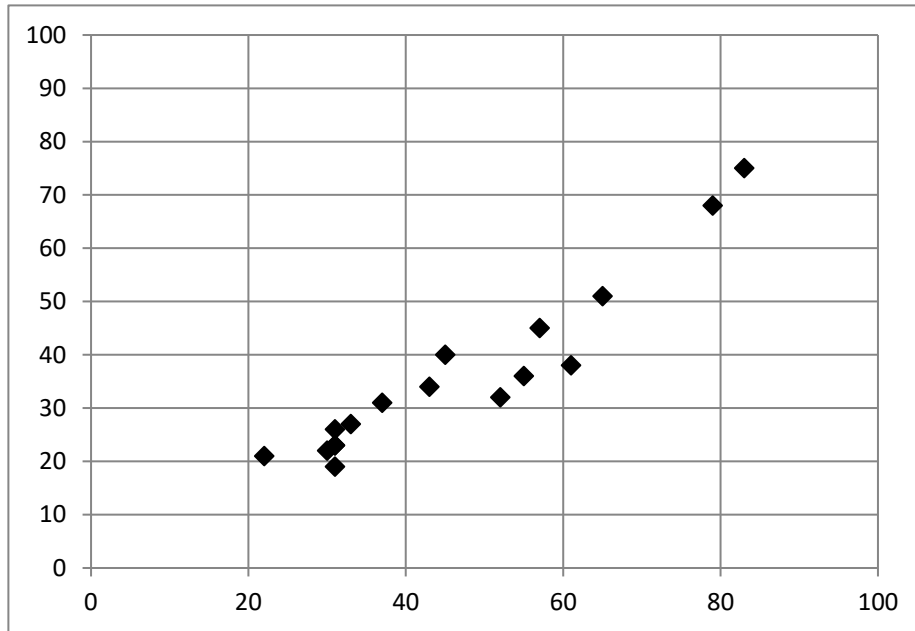
	Solution/Oplossing	Marks Punte
1.1.1		(1)
1.1.2		(2)
1.1.3		(1)
1.1.4		(1)

	Solution/Oplossing		Marks Punte
1.2		Class interval / Klasinterval	Cumulative Frequency / Kumulatiewe Frekwensie
		$10 \leq x \leq 19$	1
		$20 \leq x \leq 29$	2
		$30 \leq x \leq 39$	4
		$40 \leq x \leq 49$	6
		$50 \leq x \leq 59$	14
		$60 \leq x \leq 69$	19
		$70 \leq x \leq 79$	23
		$80 \leq x \leq 89$	26
		$90 \leq x \leq 100$	30
1.2.1	Ogive / Ogief Cumulative Frequency / Kumulatiewe Frekwensie 32 30 28 26 24 22 20 18 16 14 12 10 8 6 4 2 0 0 10 20 30 40 50 60 70 80 90 100 Marks / Punte		(3)
1.2.2			(1)
1.2.3			(1)
1.2.4			(1)
1.2.5			(1)
			[12]

QUESTION/VRAAG 2

P1 / V1	22	83	55	52	65	31	61	31	31	57	30	33	45	31	43	37	79
P2 / V2	21	75	36	32	51	19	38	23	26	45	22	27	40	23	34	31	68

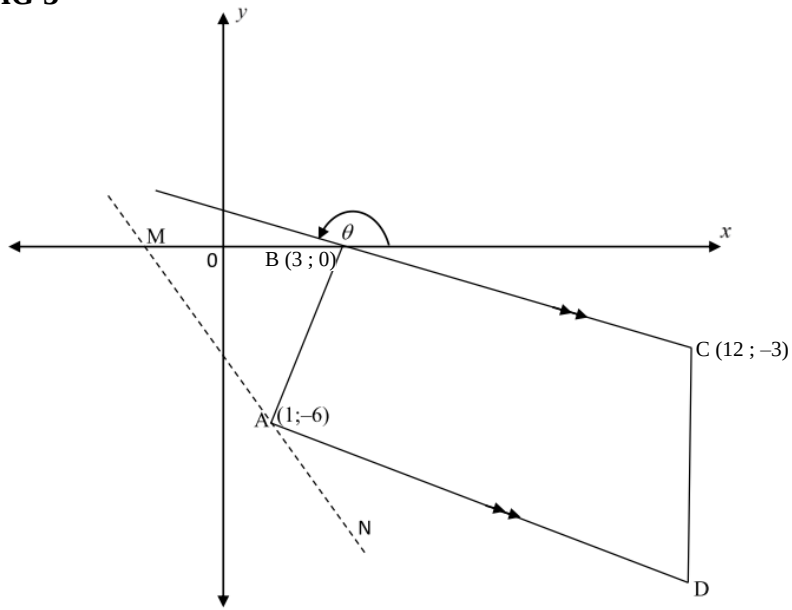
Paper 2 /
Vraestel 2



Paper 1/Vraestel 1

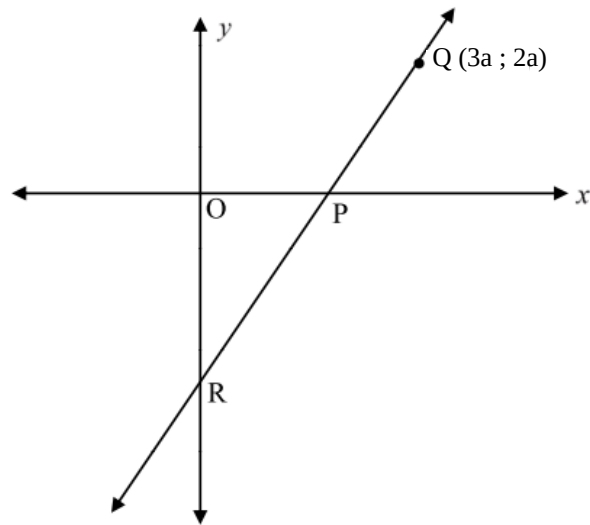
	Solution/Oplossing	Marks Punte
2.1		(3)
2.2		(1)
2.3	Sketch above /Skets hierbo	(2)
2.4		(2)
		[8]

QUESTION/VRAAG 3



	Solution/Oplossing	Marks Punte
3.1.1		(4)
3.1.2		(3)
3.1.3		(4)

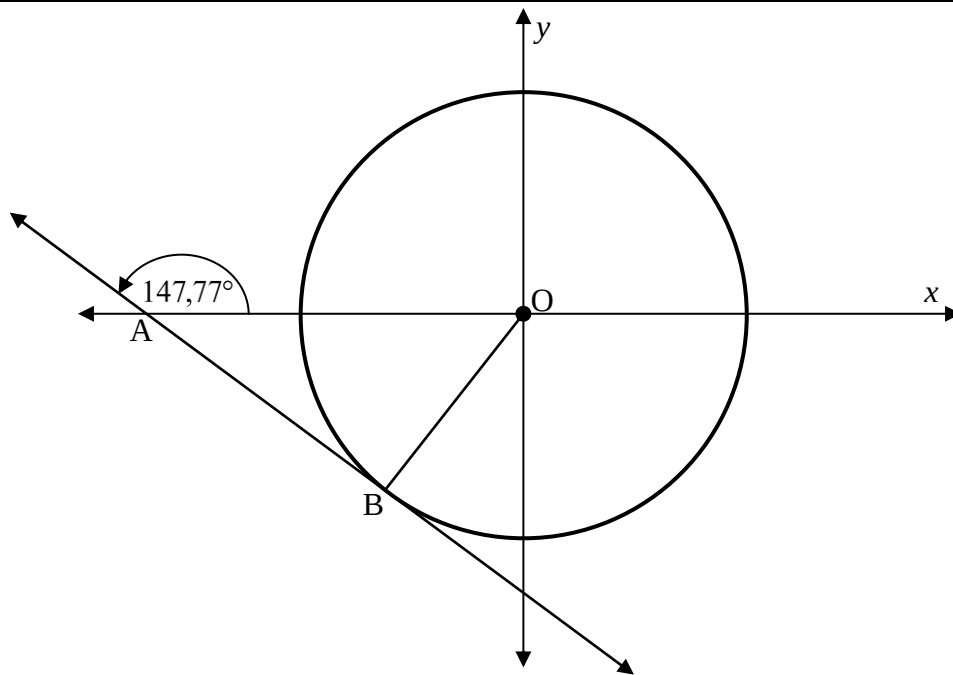
3.2



	Solution/Oplossing	Marks Punte
3.2.1		(2)
3.2.2		(4)
3.2.3		(3)
		[20]

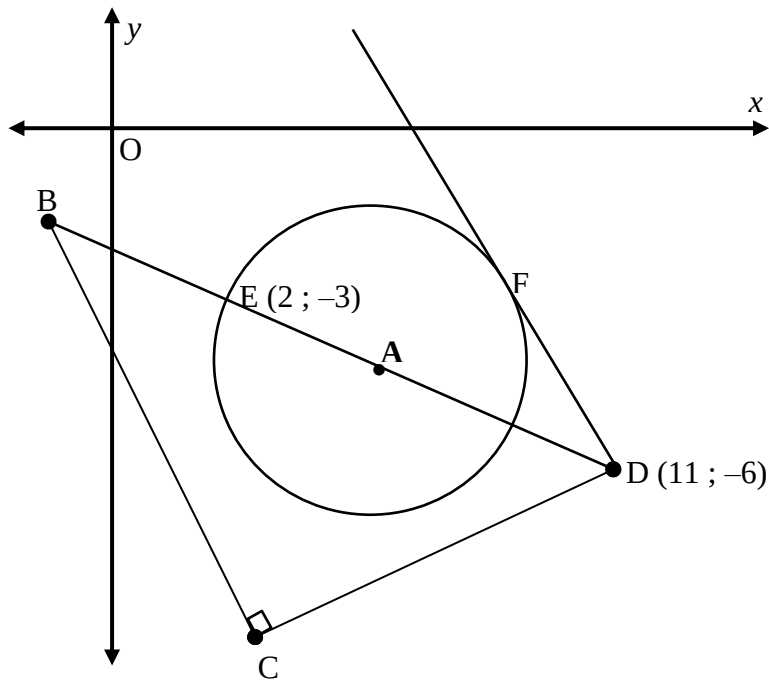
QUESTION/VRAAG 4

4.1



	Solution/Oplossing	Marks Punte
4.1.1		(1)
4.1.2		(4)

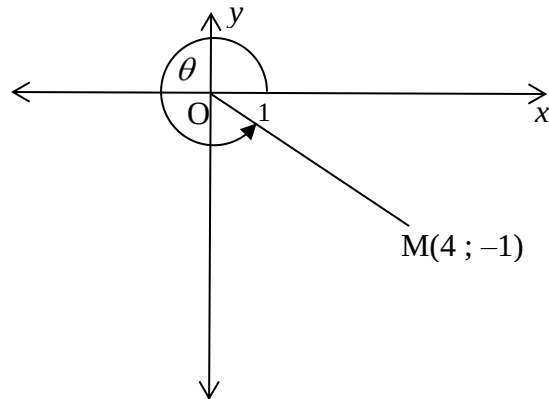
4.2



	Solution/Oplossing	Marks Punte
4.2.1		(3)
4.2.2		(1)
4.2.3		(1)
4.2.4		(3)

	Solution/Oplossing	Marks Punte
4.2.5		(3)
4.2.6		(4)
		[20]

QUESTION/VRAAG 5

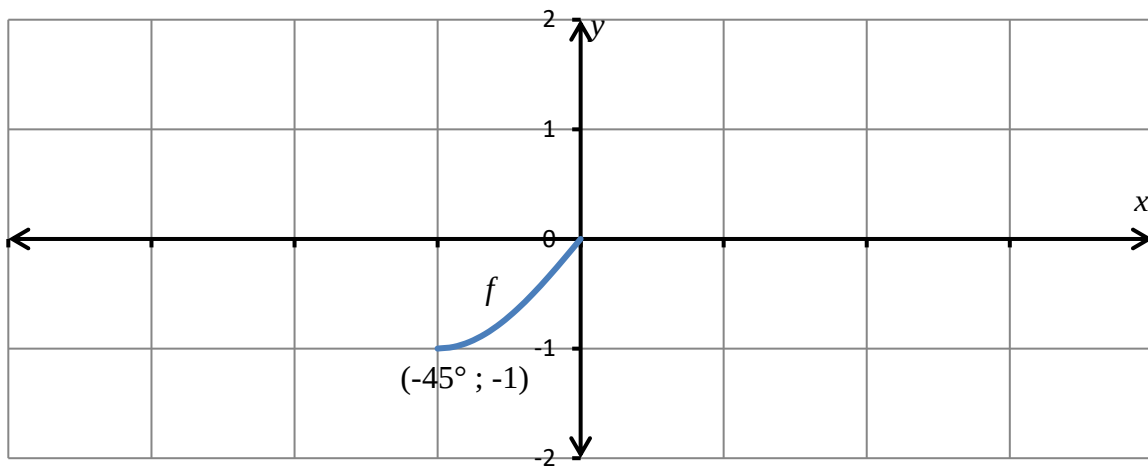


	Solution/Oplossing	Marks Punte
5.1		(3)
5.2		(7)

	Solution/Oplossing	Marks Punte
5.3.1		(2)
5.3.2		(3)
5.4		(6)

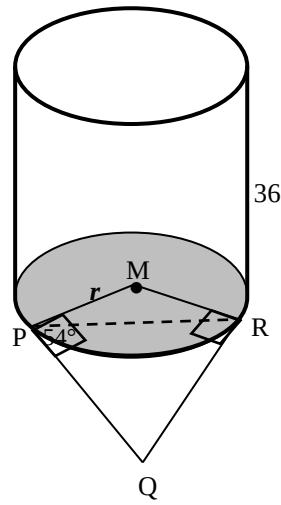
	Solution/Oplossing	Marks Punte
5.5.1		(2)
5.5.2		(3)
		[26]

QUESTION/VRAAG 6



	Solution/Oplossing	Marks Punte
6.1		(3)
6.2	See graph /Sien grafiek	(3)
6.3		(2)
		[8]

QUESTION/VRAAG 7

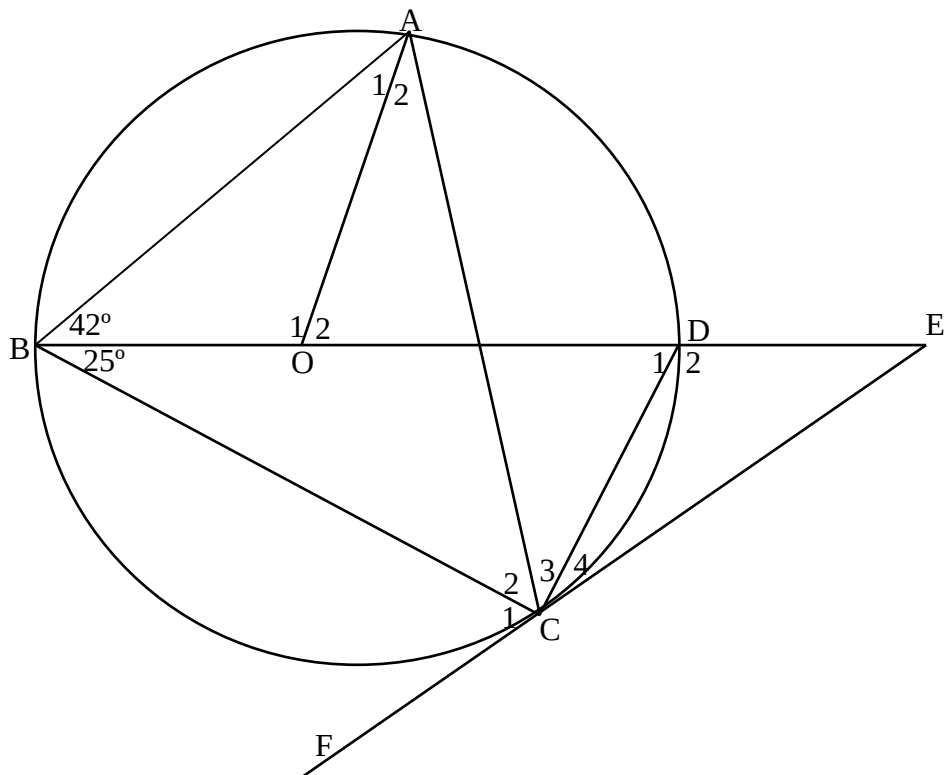


	Solution/Oplossing	Marks Punte
7.1		(2)
7.2		(2)
7.3		(5)
		[9]

Give reasons for ALL statements and calculations in QUESTIONS 8, 9, 10 and 11.
Gee redes vir ALLE bewerings en berekeninge in VRAAG 8, 9, 10 en 11.

QUESTION/VRAAG 8

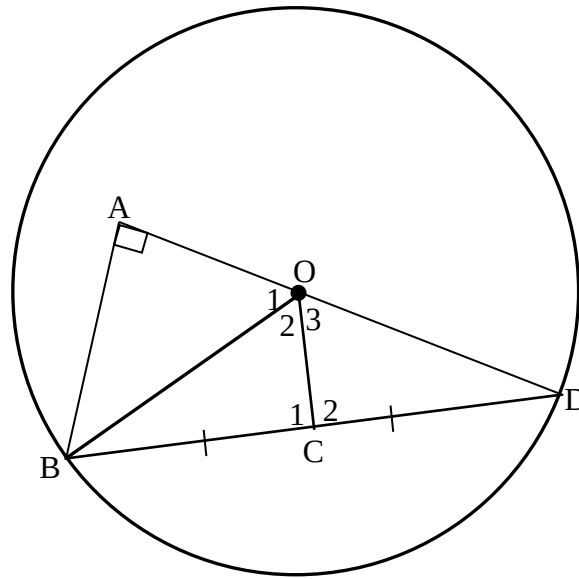
	Solution/Oplossing	Marks Punte
8.1		(1)



	Solution/Oplossing	Marks Punte
8.2.1		(2)
8.2.2		(2)

	<i>Solution/Oplossing</i>	Marks <i>Punte</i>
8.2.3		(2)
8.2.4		(2)
		[9]

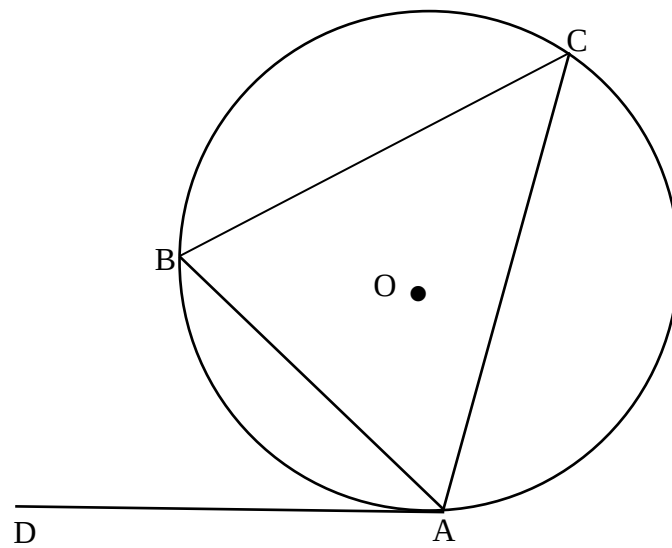
QUESTION/VRAAG 9



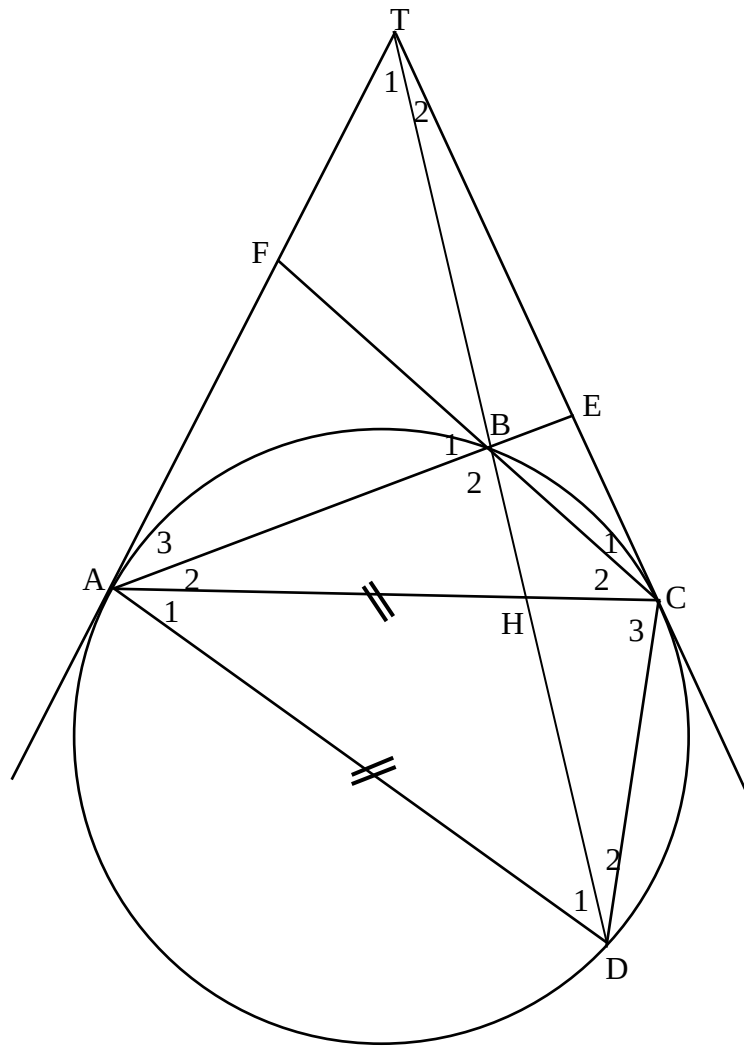
	Solution/<i>Oplossing</i>	Marks <i>Punte</i>
9.1		(1)
9.2		(7)
		[8]

QUESTION/VRAAG 10

10.1

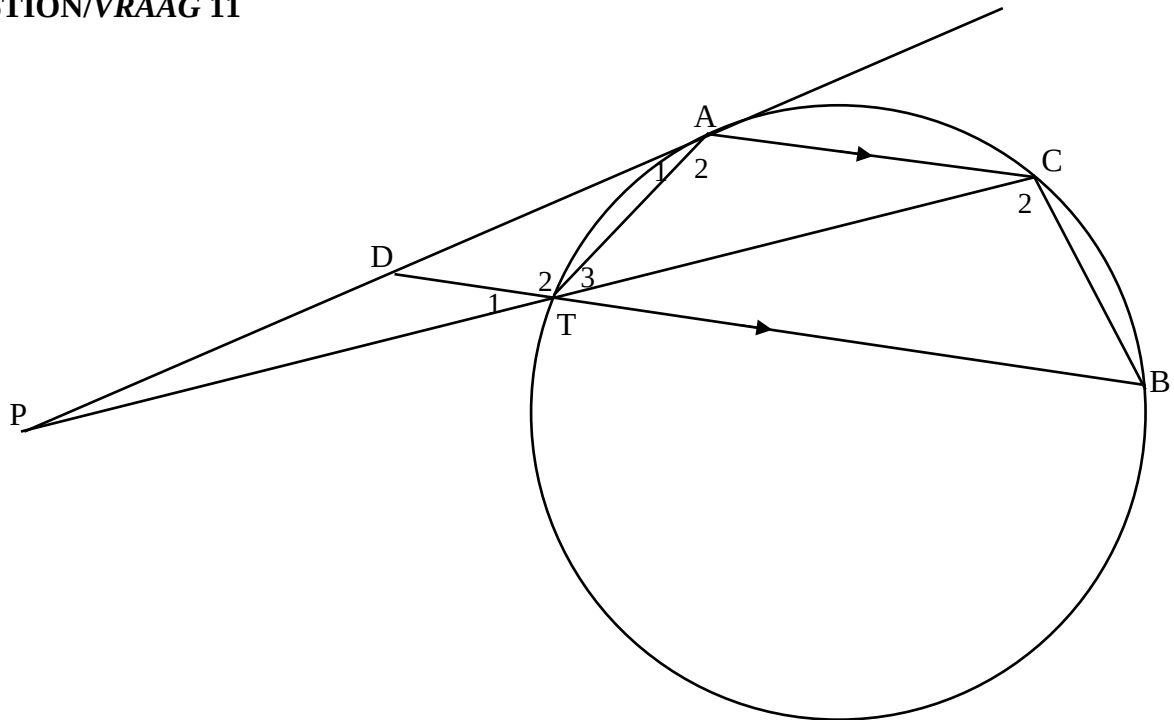
[illegible]

10.2

[illegible]

	Solution/Oplissing	Marks Punte
10.2.2		(4)
10.2.3		(5)
		[19]

QUESTION/VRAAG 11



	Solution/Oplissing	Marks Punte
11.1		(3)

	Solution/Oplissing	Marks Punte
11.2.1		
		(4)
11.2.2		
		(4)
		[11]

[illegible]

TOTAL/TOTAAL: 150

END/EINDE