



**PREPARATORY EXAMINATION Answer Book**  
**VOORBEREIDENDE EKSAMEN-Antwoordboek**

**2023**

CANDIDATE'S NAME <i>KANDIDAAT SE NAAM</i>																	
DATE <i>DATUM</i>												BOOK NUMBER <i>BOEKNOMMER</i>		OF <i>VAN</i>		BOOKS <i>BOEKE</i>	
TEACHER <i>ONDERWYSER</i>												PAPER NUMBER <i>VRAESTELNOMMER</i>	2				
SUBJECT NAME <i>VAKNAAM</i>		<b>MATHEMATICS/WISKUNDE (10612)</b>															

27 pages/bladsye

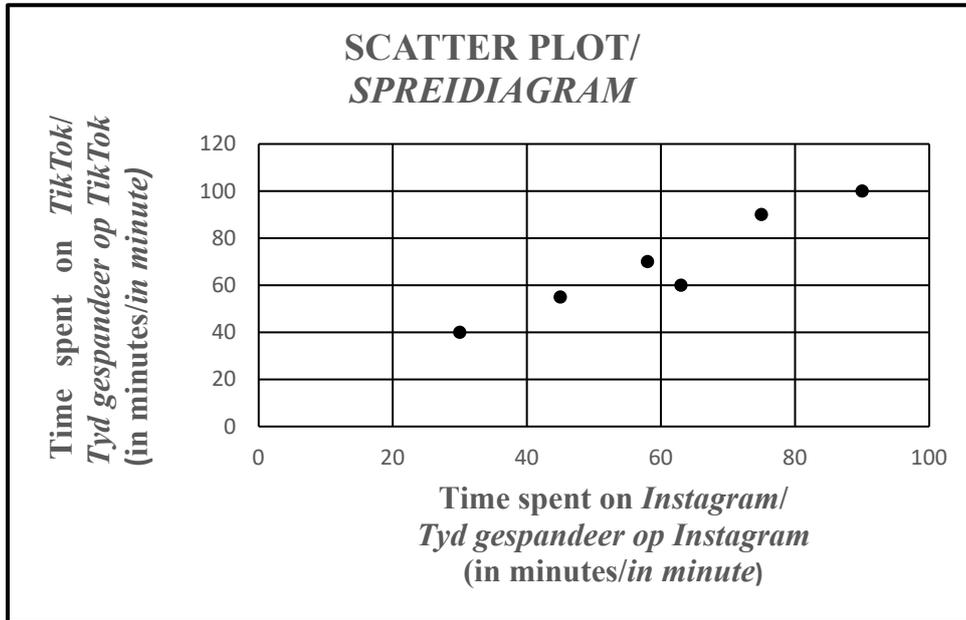
MARKER/NASIENER			MODERATOR'S INITIALS IN RELEVANT BLOCK <i>MODERATOR SE PARAAF IN BETROKKE BLOKKIE</i>							RE-MARK/RE-CHECK <i>HERNASIEN/HERKONTROLEER</i>			
Question <i>Vraag</i>	Marks <i>Punte</i>	Marker's Code & Initials/ Nasiener se Kode en Voorletters	Marks <i>Punte</i>							Question <i>Vraag</i>	Marks <i>Punte</i>	Initials <i>Paraaf</i>	
1										1			
2										2			
3										3			
4										4			
5										5			
6										6			
7										7			
8										8			
9										9			
10										10			
			TOTAL <i>TOTAAL</i>										TOTAL <i>TOTAAL</i>

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

<b>FOLLOW THESE INSTRUCTIONS CAREFULLY</b>	<b>VOLG HIERDIE INSTRUKSIES NOUKEURIG</b>
<p>1. Write your full names and surname clearly in the space provided.</p> <p>2. Answer ALL questions in the spaces provided.</p> <p>3. No pages may be torn from this answer book.</p> <p>4. 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.</p> <p>5. Answers must be written in black/blue ink as distinctly as possible. Do not write in the margins.</p> <p>6. 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.</p> <p>7. Rule off through any work/rough work that must not be marked.</p> <p>8. In the event that you use the additional space provided:</p> <p>8.1 Write down the number of the question.</p> <p>8.2 Leave a line and rule off after your answer.</p>	<p>1. <i>Skryf jou volle naam en van duidelik in die spasie wat voorsien is.</i></p> <p>2. <i>Beantwoord AL die vrae in die ruimtes wat voorsien is.</i></p> <p>3. <i>Geen bladsye mag uit hierdie antwoordboek geskeur word nie.</i></p> <p>4. <i>Geen antwoordboek mag deur die kandidaat behou of uit die eksamenlokaal verwyder word nie. Antwoordboeke moet aan die toesighouer terugbesorg word aan die einde van die eksamensessie.</i></p> <p>5. <i>Skryf die antwoorde so duidelik moontlik met swart/blou ink. Moenie in die kantlyne skryf nie.</i></p> <p>6. <i>Dui die vrae wat jy beantwoord het aan op die voorblad van die antwoordboek waar die punte aangebring word, deur 'n kringetjie te trek om die nommers van die vrae wat jy beantwoord het.</i></p> <p>7. <i>Trek 'n netjiese lyn deur enige werk/rofwerk wat nie nagesien moet word nie.</i></p> <p>8. <i>Ingeval jy die bykomende ruimte wat voorsien word, gebruik:</i></p> <p>8.1 <i>Skryf die nommer van die vraag neer.</i></p> <p>8.2 <i>Laat 'n lyn oop en trek 'n lyn na jou antwoord.</i></p>

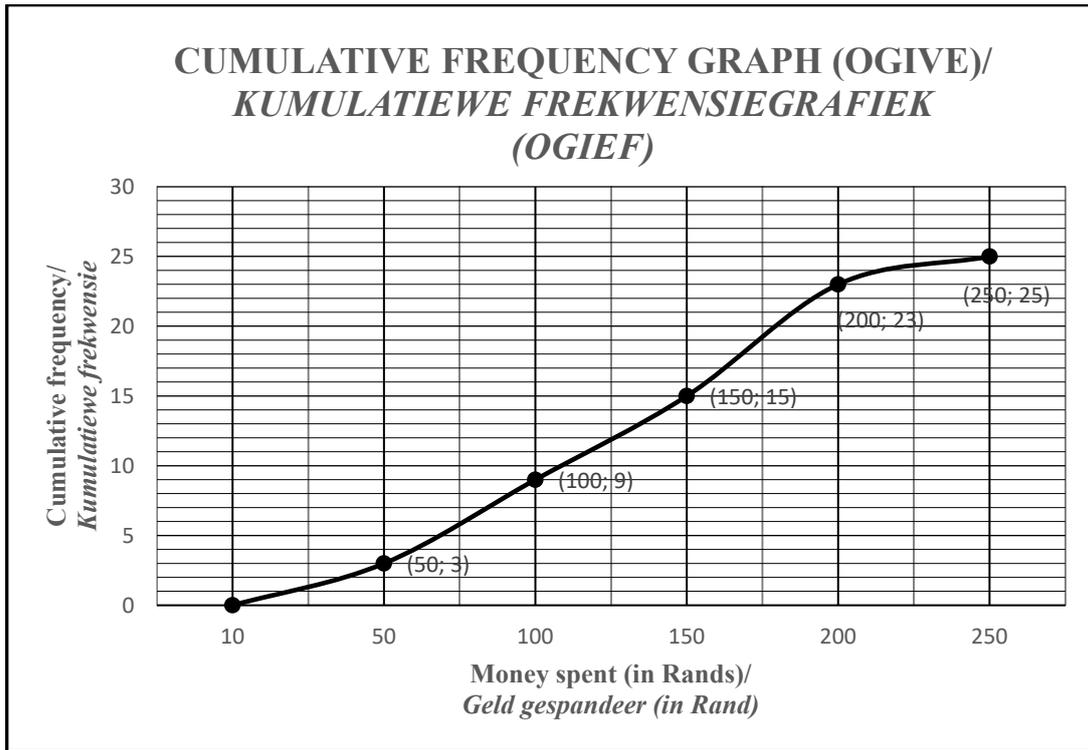
QUESTION/VRAAG 1

TIME SPENT ON <i>INSTAGRAM</i> (in minutes) <i>TYD GESPANDEER OP INSTAGRAM</i> (in minute)	30	45	58	63	75	90
TIME SPENT ON <i>TIKTOK</i> (in minutes) <i>TYD GESPANDEER OP TIKTOK</i> (in minute)	40	55	70	60	90	100



	Solution/Oplossing	Marks Punte
1.1		(1)
1.2		(1)
1.3		(3)
1.4		(2)
1.5		(3)
		<b>[10]</b>

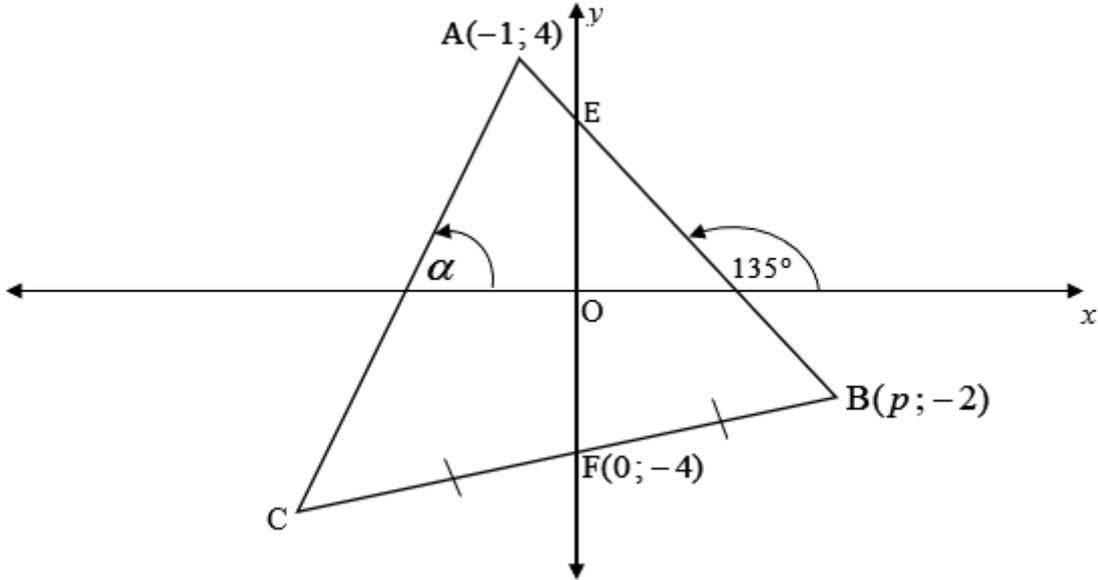
QUESTION/VRAAG 2



	<b>Solution/Oplissing</b>	<b>Marks Punte</b>
2.1.1		(1)
2.1.2		(2)
2.1.3		(2)

	<i>Solution/Oplissing</i>	<b>Marks Punte</b>
2.2		
	(4)	
	[9]	

QUESTION/VRAAG 3

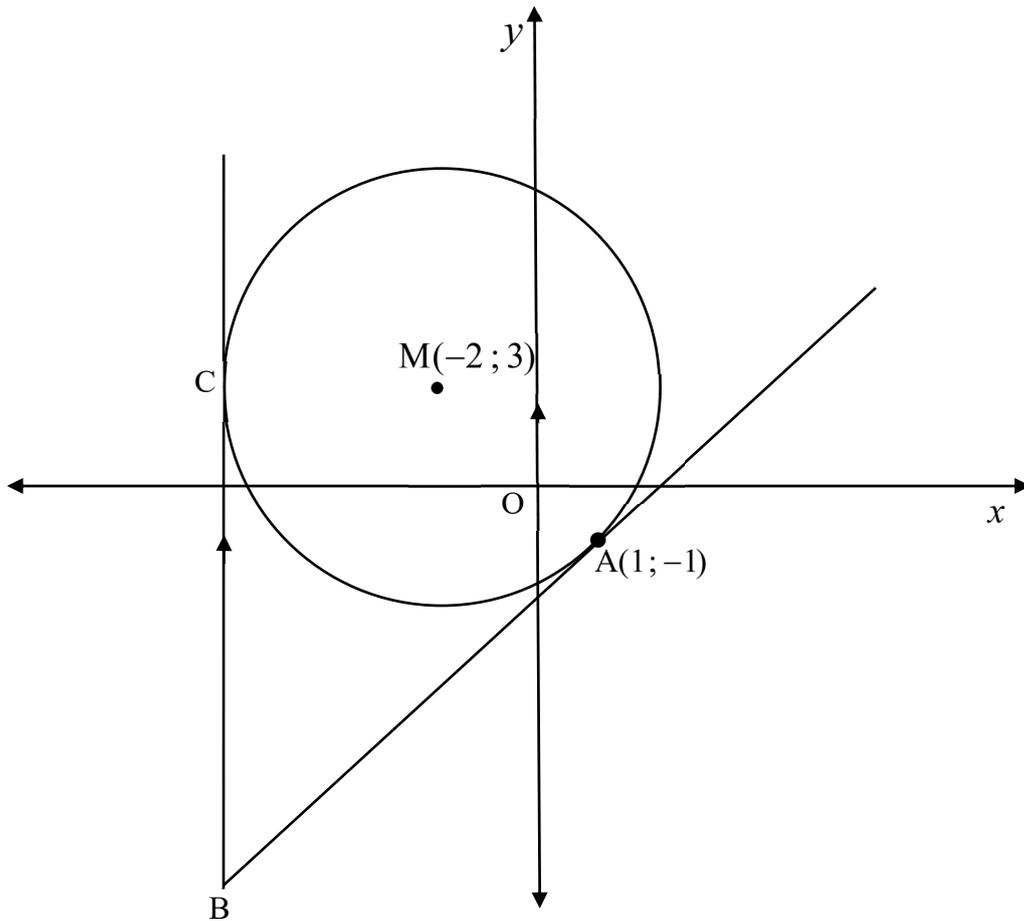


	Solution/Oplissing	Marks Punte
3.1		(2)
3.2		(2)

	<i>Solution/Oplissing</i>	<b>Marks Punte</b>
3.3		(2)
3.4		(4)
3.5		(3)

	<i>Solution/Oplissing</i>	<b>Marks Punte</b>
3.6		(3)
3.7		(5)
		<b>[21]</b>

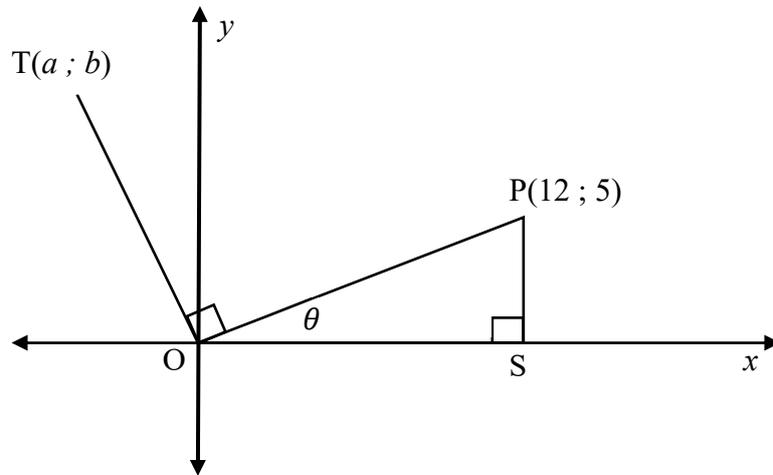
QUESTION/VRAAG 4



	Solution/Oplissing	Marks Punte
4.1		(3)
4.2		(2)

	<i>Solution/Oplissing</i>	<b>Marks Punte</b>
4.3		(5)
4.4		(3)
4.5		(2)
4.6		(5)
		<b>[20]</b>

**QUESTION/VRAAG 5**



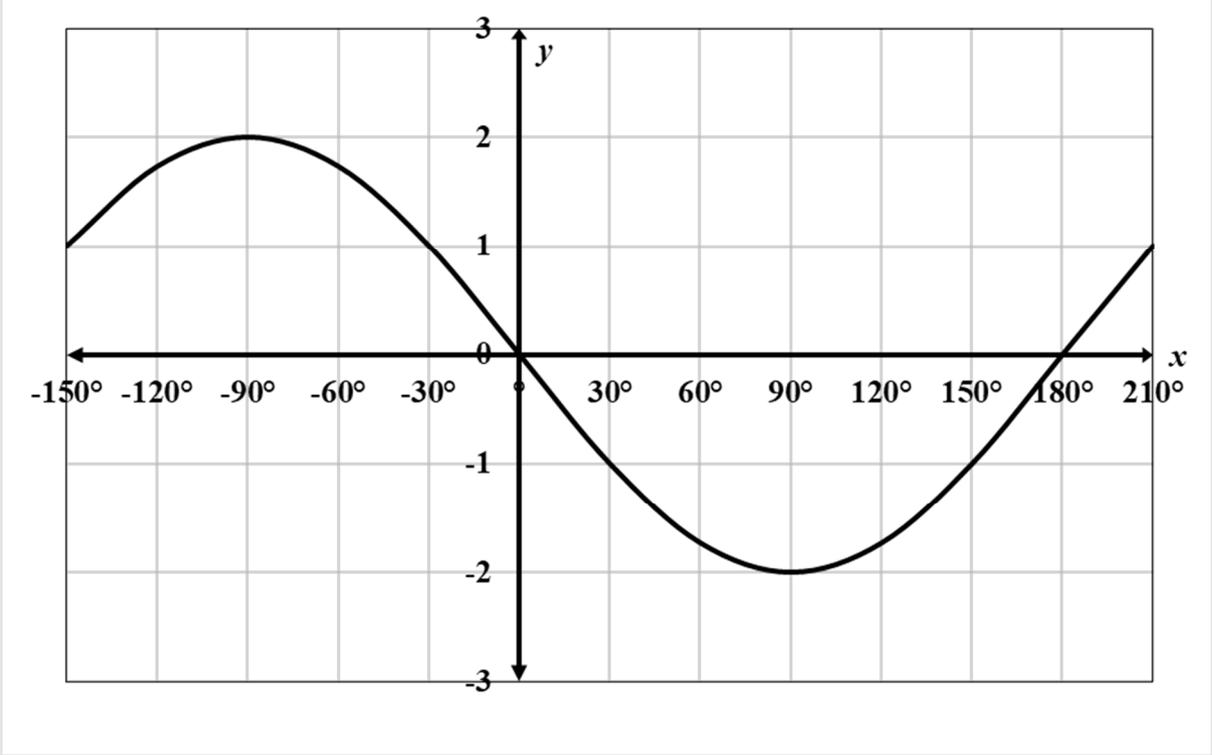
	<i>Solution/Oplossing</i>	<b>Marks Punte</b>
5.1.1		(1)
5.1.2		(2)
5.1.3		(4)

	<i>Solution/Oplissing</i>	<b>Marks Punte</b>
5.2		(6)
5.3		(3)
5.4.1		(4)

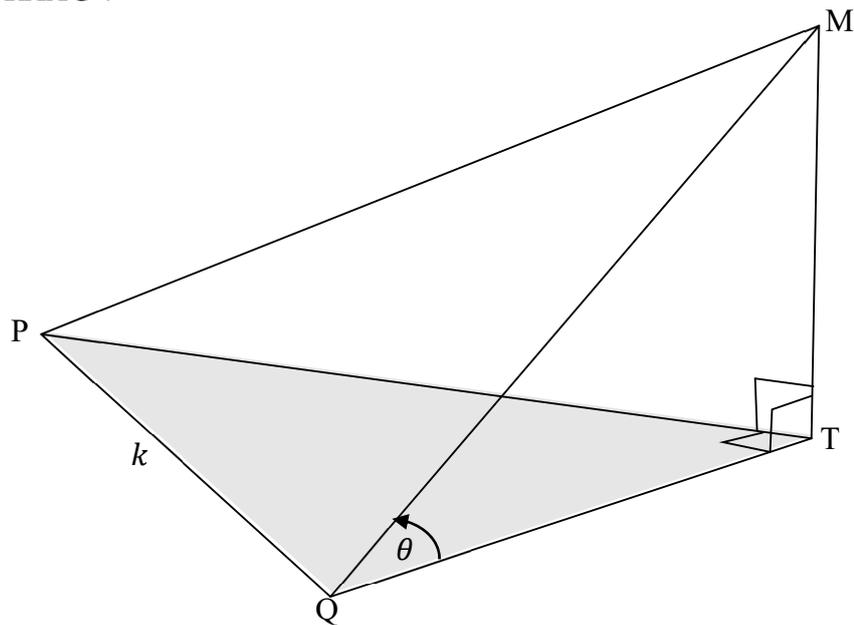
	<i>Solution/Oplissing</i>	<b>Marks Punte</b>
5.4.2		(2)
5.5.1		(2)
5.5.2		(2)
		<b>[26]</b>

**QUESTION/VRAAG 6**

	<i>Solution/Oplissing</i>	<b>Marks Punte</b>
6.1		(4)
6.2		(3)

	Solution/Oplissing	Marks Punte
6.3.1		(1)
6.3.2		(3)
6.3.3 (a)		(2)
6.3.3 (b)		(1)
		<b>[14]</b>

**QUESTION/VRAAG 7**

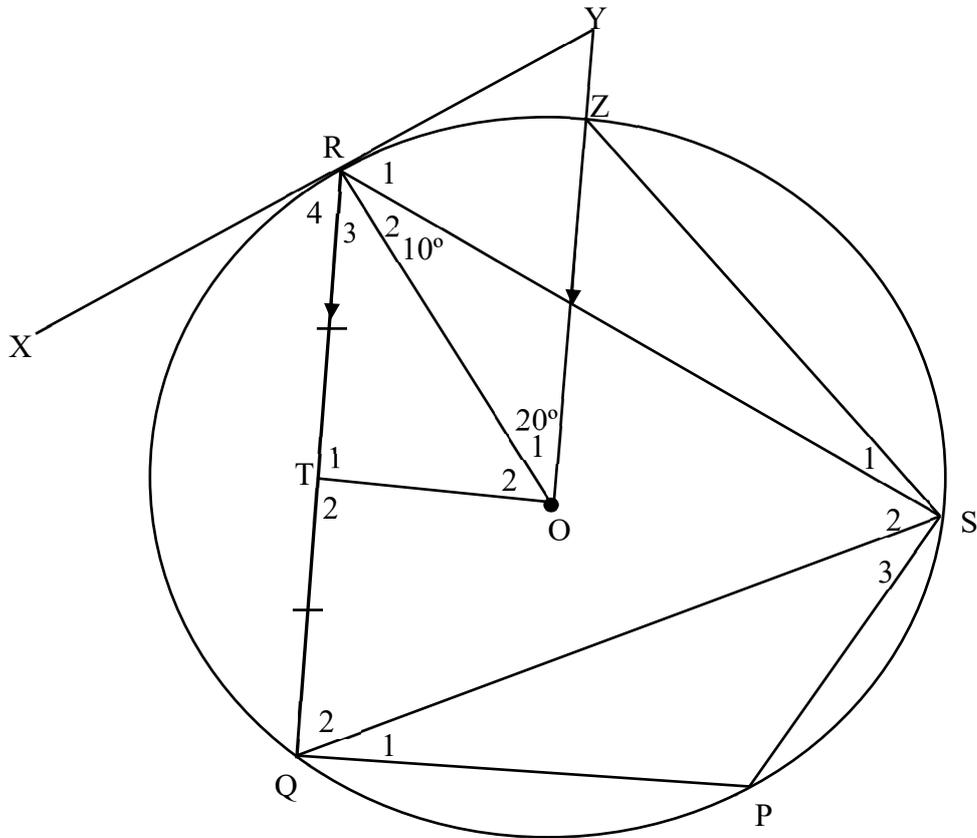


	<b>Solution/Oplissing</b>	<b>Marks Punte</b>
7.1		(3)
7.2		(4)



**QUESTION/VRAAG 8**

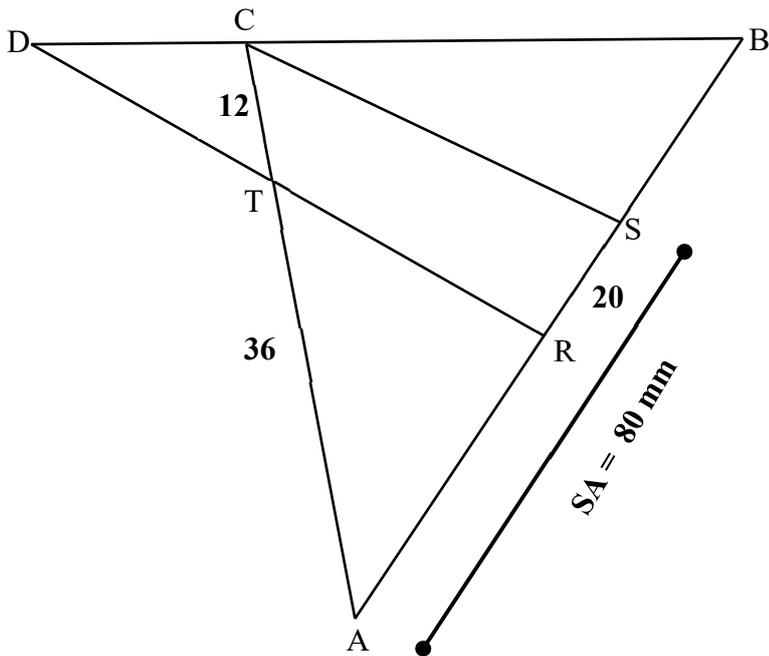
8.1



	<b>Solution/Oplissing</b>	<b>Marks Punte</b>
8.1.1		(2)
8.1.2		(1)
8.1.3		(2)

	<i>Solution/Oplissing</i>	<b>Marks Punte</b>
8.1.4		(4)
8.2		(3)
		<b>[12]</b>

QUESTION/VRAAG 9

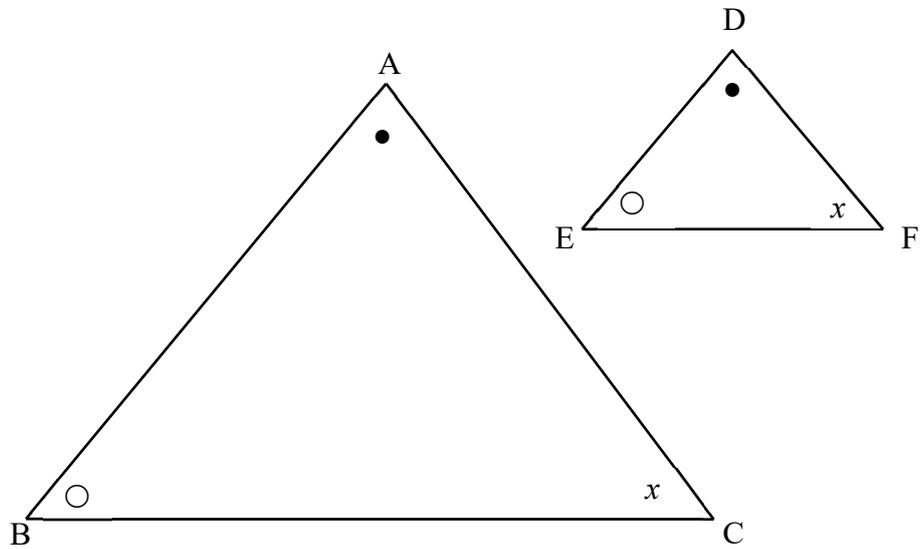


	Solution/Oplissing	Marks Punte
9.1		(3)
9.2		



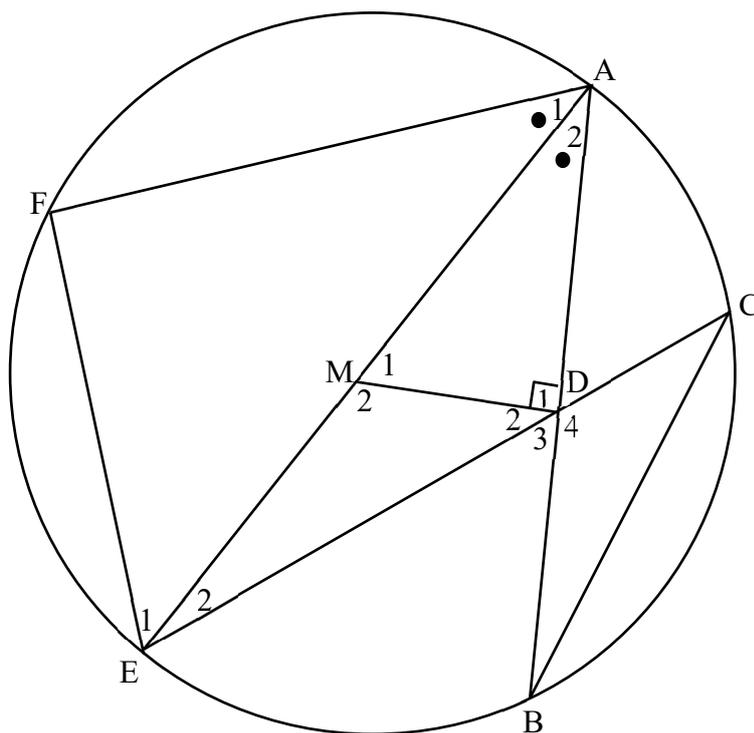
**QUESTION/VRAAG 10**

10.1



	<b>Solution/Oplissing</b>	<b>Marks Punte</b>
10.1		(6)

10.2



	Solution/Oplissing	Marks Punte
10.2.1		(4)
10.2.2		(3)

	<i>Solution/Oplissing</i>	<b>Marks Punte</b>
10.2.3		(6)
		<b>[19]</b>











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10612X



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