

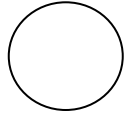


basic education
 Department:
 Basic Education
 REPUBLIC OF SOUTH AFRICA

Candidate Barcode label/ Bacoudu ya moithuti

SC/NSC Answer Book
SS/NSS-Buka ya Dikarabo

Senior Certificate/National Senior Certificate/Senior (Grade 12/Kereiti 12)



Sequence No. on mark sheet
 Volgnommer op puntestaat

CENTRE NUMBER/
 NOMORO YA SENTHA

EXAMINATION NUMBER/
 NOMORO YA HLAHLOBO

DATE/
 LETSATSI

BOOK NUMBER/
 NOMORO YA BUKA/ OF
 YA BOOKS
 DIBUKA

SUBJECT CODE/
 KHOUDU YA THUTO

PAPER NUMBER/
 NOMORO YA PAMPIRI 2

SUBJECT NAME/
 LEBITSO LA THUTO **MATHEMATICS/DIPALO**

MARKER/			MODERATOR'S INITIALS IN RELEVANT BLOCK									
Question Potsa	Marks Matshwao	Marker's Code & Initials	Marks Matshwao	SM	Marks Matshwao	DCM	Marks Matshwao	CM	Marks Matshwao	IM	Marks Matshwao	EM
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
			TOTAL/ KAOFELA									

CONTROLLED AND CERTIFIED CORRECT
 (SURNAME AND INITIALS OF EA)
 E LAOTSWE LE HO BOLELWA ELE YA NNETE
 (SEFANE LE DINISHIALE TSA EA)

READ INSTRUCTIONS ON THE NEXT PAGE.
 BALA DITAELO KA LEQEPHENG LE LATELANG.

This answer book consists of 23 pages./Ena pampiri ena le maqephe a 23.

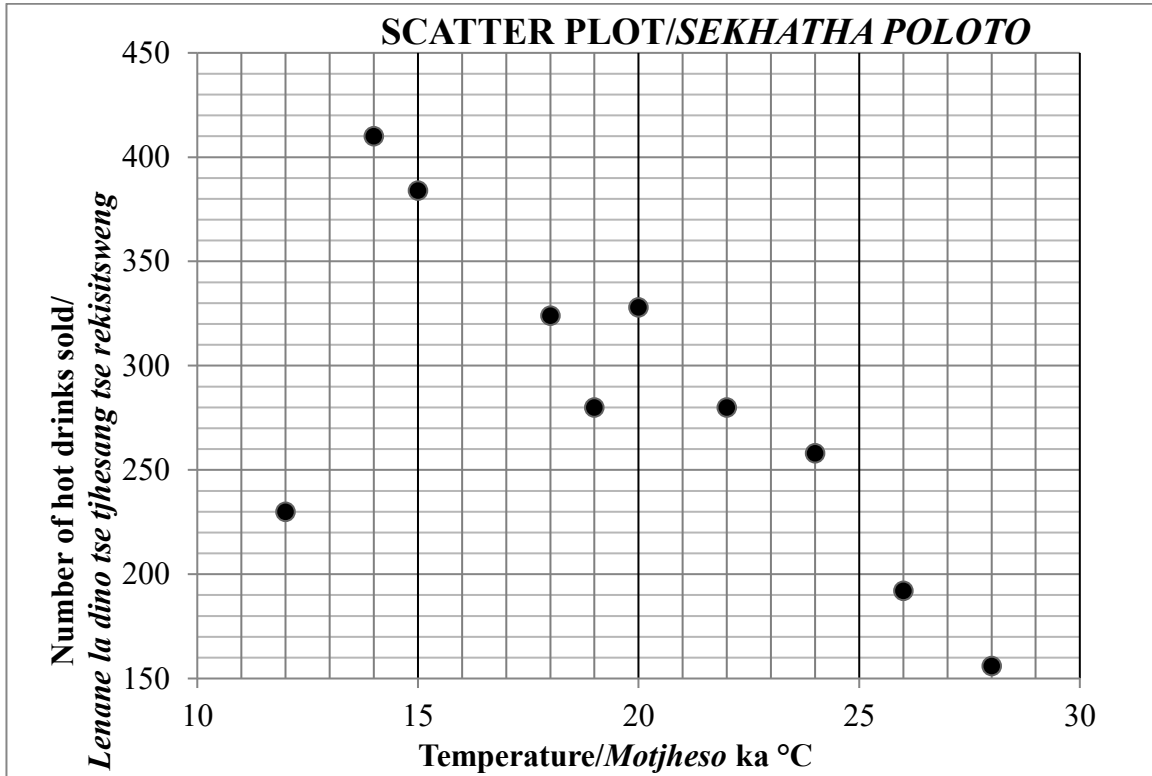


PLEASE FOLLOW THESE INSTRUCTIONS CAREFULLY	KA KOPO LATELA DITAELO
1. Clearly write your examination number and centre number in the space provided and attach your barcode label in the space provided.	1. Ngola nomoro ya hao ya hlahlobo ka ho hlakileng ebe o manamisa lebole ya bakhoudu ho sebaka seo ose nehilweng.
2. Remember that your own name (or the name of your school) may NOT appear anywhere on or in this answer book.	2. Hopola hore lebitso la hao (kapa lebitso la sekolo) HALE a tshwanela ho bonahala hohle bukeng yaho arabela.
3. Answer ALL questions in the spaces provided.	3. Araba dipotso KAOFELA sebakeng seo ose nehilweng.
4. NO pages may be torn from this answer book.	4. SEKE wa ntsha maqephe bukeng yaho arabela.
5. Read the instructions printed on your timetable carefully as well as any other instructions which may be given in each question paper.	5. Bala ditaelo ka hloko tse hlahang ho thaemothebole le ditaelo tse ding tseo hoka fanwang ka tsona dithutong tse ding.
6. Candidates may NOT retain an answer book or remove it from the examination room.	6. Baithuti HABA tshwanela ho nka buka ya ho arabela kapa ho tswa le yona ka phaposing yaho ngolla.
7. Answers must be written in black/blue ink as distinctly as possible. Do NOT write in the margins.	7. Dikarabo di tlameha ho ngolwa ka pene e ntsho/bolou. SEKE wa ngola ka hara di-majene.
8. Write the numbers of the questions you have answered on the front cover of the answer book where marks are to be recorded.	8. Ngola palo ya dipotso tseo o di arabileng ka leqepheng le kantle ho buka ya ho arabela moo matshwao a ngolwang teng.
9. If you require additional space for your answers: 9.1 Use the additional space provided at the end of the answer book. 9.2 When answering a question in the additional space, clearly indicate the question number in the column on the LHS. 9.3 Rule off after each answer.	9. Haeba o sebedisa sebaka se ekeditsweng bakeng sa dikarabo tsa hao: 9.1 Sebedisa sebaka se ekeditsweng moo pampiri e fellang teng. 9.2 Haebe o araba dipotso sebakeng se ekeditsweng, ka ho hlakileng ngola nomoro ya potso ka LHS. 9.3 Seha mola qetellong ya potso ka nngwe.
10. Draw a neat line through any work/rough work that must not be marked.	10. Seha mola hodima mesebetsi esa hlokahaleng e ke keng ya tshwauwa.



QUESTION/POTSO 1

Temperature/Motjheso (in °C)	14	24	26	18	20	28	22	15	12	19
Number of hot drinks sold Lenane la dino tse tjhesang tse rekisitsweng	410	258	192	324	328	156	280	384	230	280

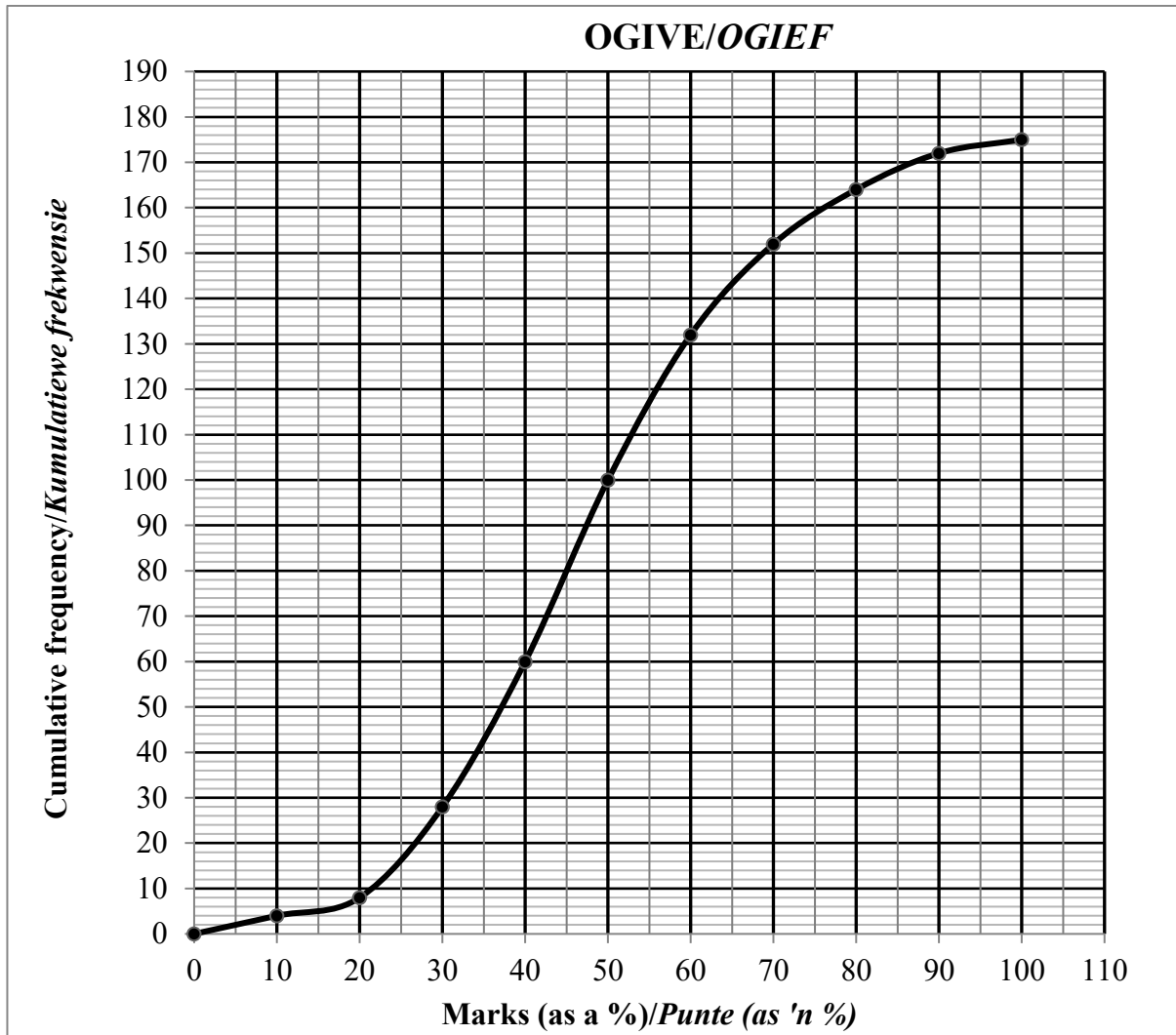


	Solution/Tharollo	Marks/ Matshwao
1.1		(1)
1.2		(3)
1.3		(3)
1.4		(1)
		[8]



QUESTION/POTSO 2

2.1



	Solution/Tharollo	Marks/ Matshwao
2.1.1		(1)
2.1.2		(1)
2.1.3		(2)



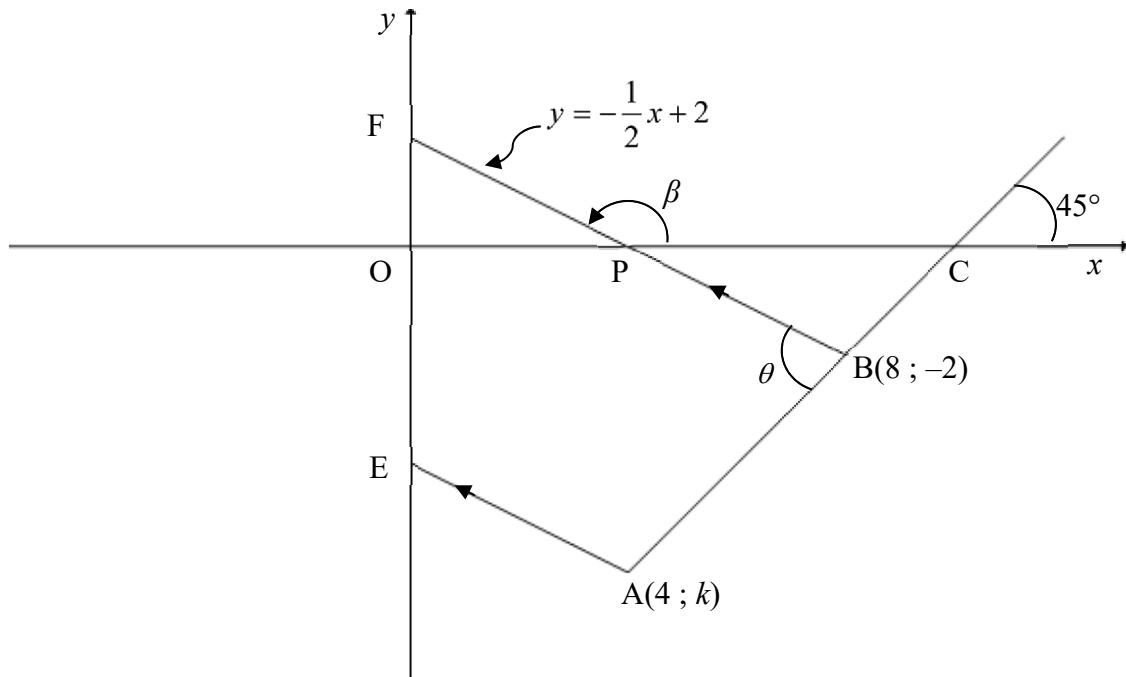
2.2

Marks (as a %) Matshwao (ka %)	62	58	78	85	74	48	74	84	100	46	80	92	60	90	92
---	----	----	----	----	----	----	----	----	-----	----	----	----	----	----	----

	Solution/Tharollo	Marks/ Matshwao
2.2.1		(2)
2.2.2		(1)
2.2.3		(2)
2.3		(3)
		[12]



QUESTION/POTSO 3



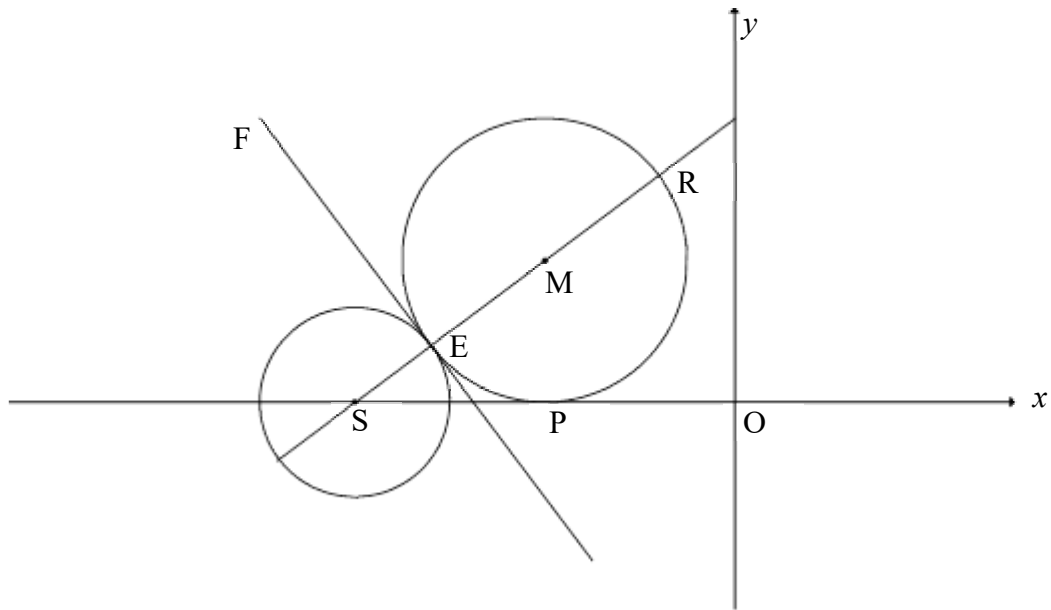
	Solution/Tharollo	Marks/ Matshwao
3.1		(1)
3.2		(2)
3.3		(3)



	Solution/Tharollo	Marks/ Matshwao
3.4.1		(3)
3.4.2		(3)
3.4.3		(4)
3.5		(4)
	[20]	



QUESTION/POTSO 4



	Solution/Tharollo	Marks/ Matshwao
4.1.1		(2)
4.1.2		(1)
4.2.1		(2)
4.2.2		

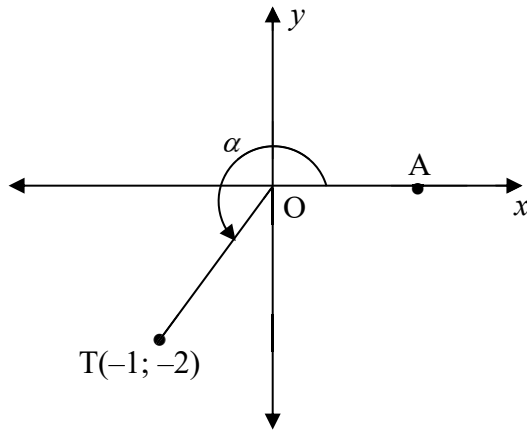


	Solution/Tharollo	Marks/ Matshwao
4.2.2 (cont./ tswela pele.)		(3)
4.2.3		(4)
4.2.4		(2)
4.3		(5)
	[19]	



QUESTION/POTSO 5

5.1



	Solution/Tharollo	Marks/ Matshwao
5.1.1		(1)
5.1.2		(2)
5.1.3		(4)



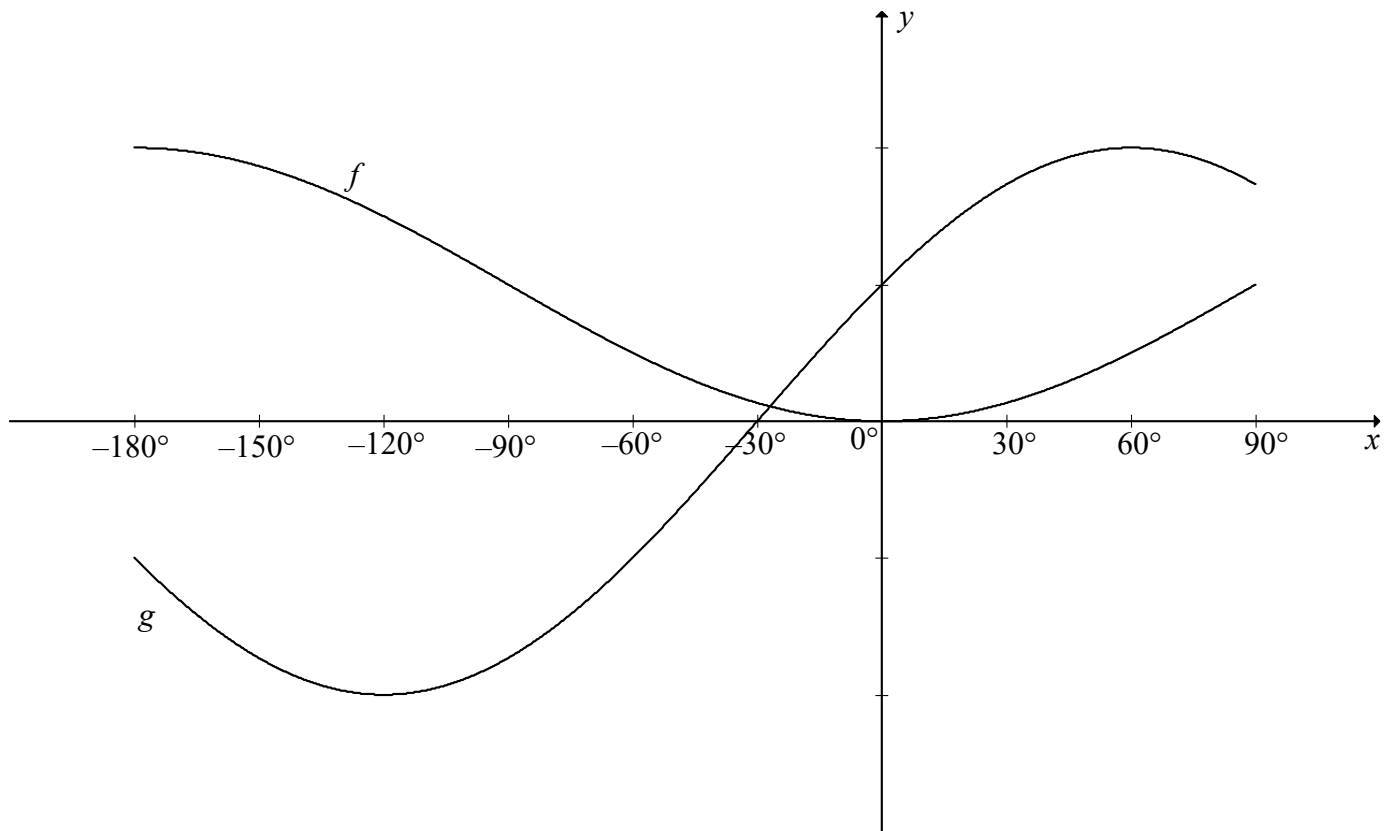
	Solution/Tharollo	Marks/ Matshwao
5.2		(4)
5.3.1		(4)
5.3.2		(2)
5.4		



	Solution/Tharollo	Marks/ Matshwao
5.4 (cont./ tswela pele.)		(5)
5.5		
		[27]



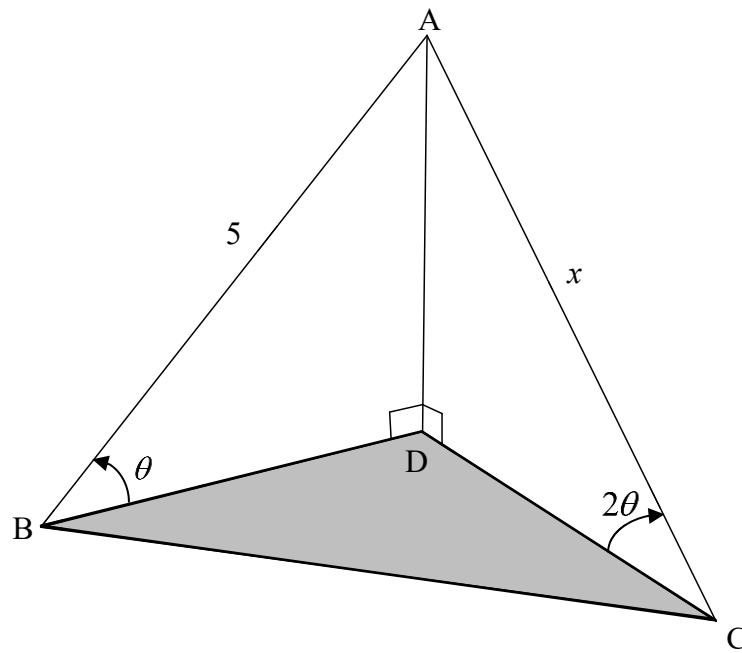
QUESTION/POTSO 6



	Solution/Tharollo	Marks/Matshwao
6.1.1		(2)
6.1.2		(2)
6.2		(2)
		[6]



QUESTION/POTSO 7



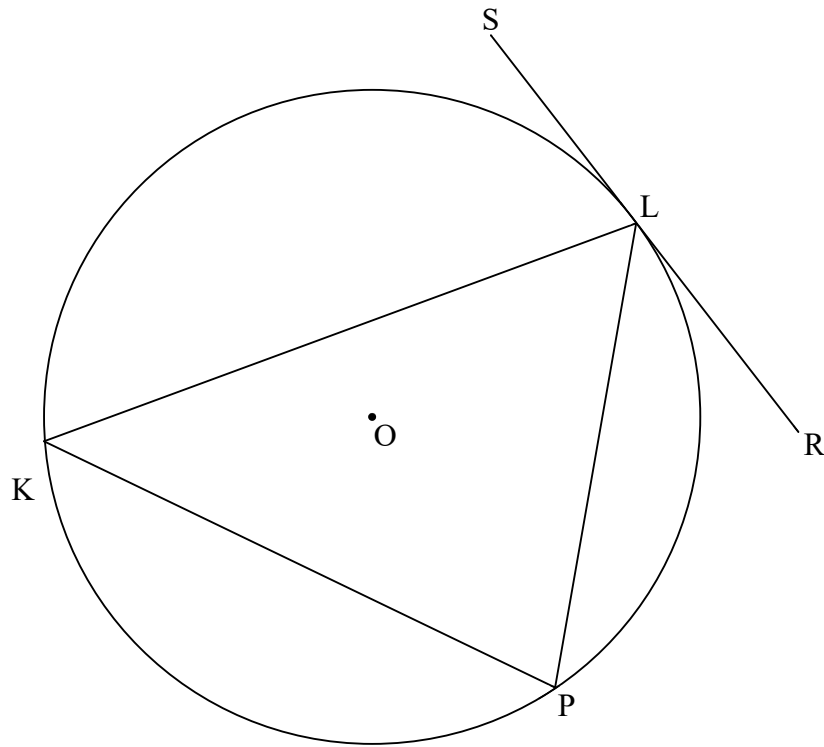
	Solution/Tharollo	Marks/ Matshwao
7.1		(5)
7.2		(3)
		[8]



Give reasons for your statements in QUESTIONS 8, 9 and 10.
Fana ka mabaka ho dipolelo kapa ditateme ho POTSO 8, 9 le 10.

QUESTION/POTSO 8

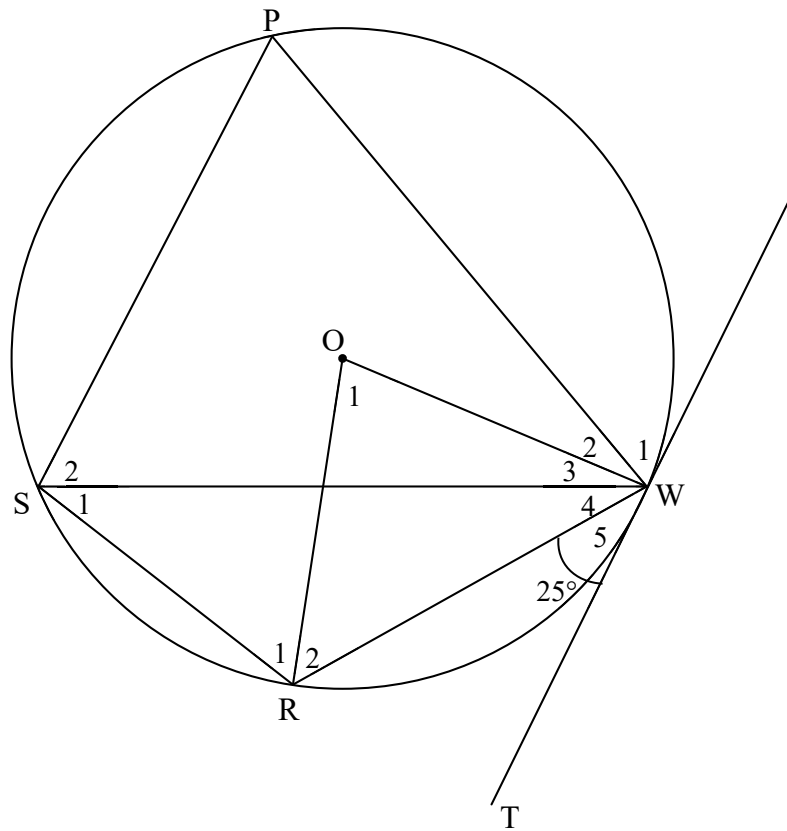
8.1



	Solution/Tharollo	Marks/ Matshwao
		(6)



8.2



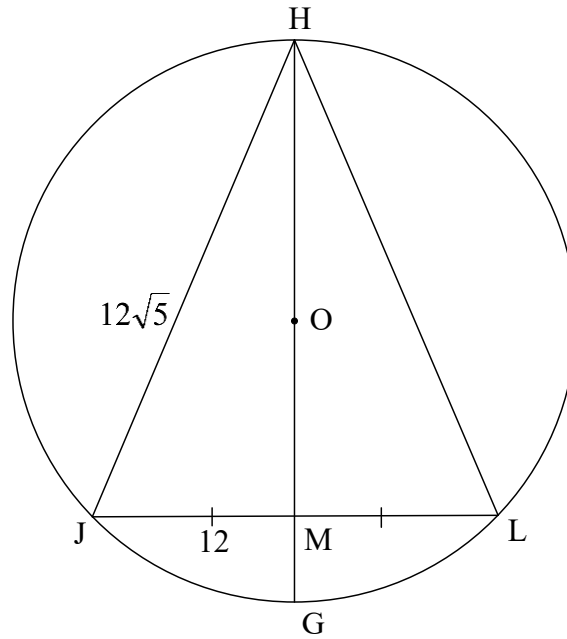
	Solution/Tharollo	Marks/ Matshwao
8.2.1(a)		(2)
8.2.1(b)		(2)



	Solution/Tharollo	Marks/ Matshwao
8.2.1(c)		
8.2.2		(5)
		(3)



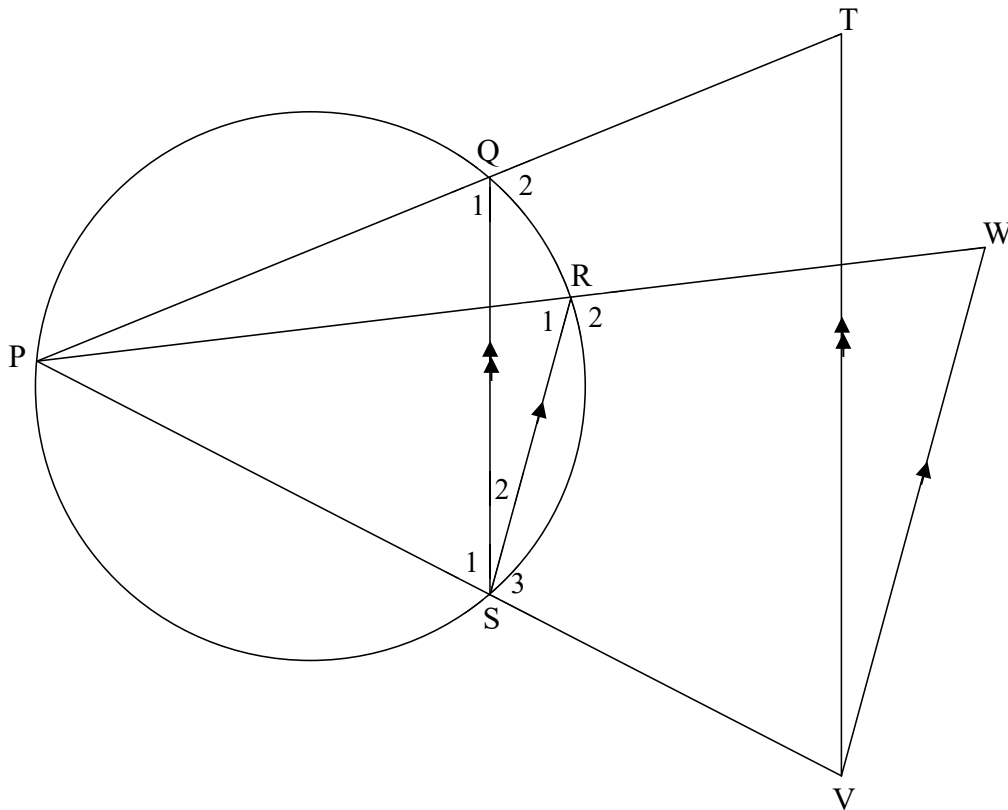
8.3



	Solution/Tharollo	Marks/ Matshwao
8.3.1		(2)
8.3.2		(5)
	[25]	



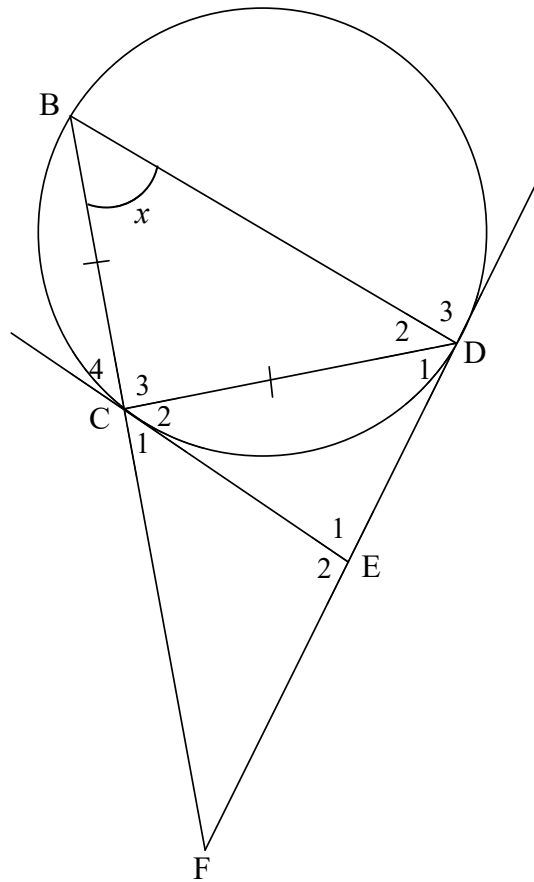
QUESTION/POTSO 9



	Solution/Tharollo	Marks/ Matshwao
9.1		(3)
9.2		(5)
		[8]



QUESTION/POTSO 10



	Solution/Tharollo	Marks Matshwao
10.1.1		(5)
10.1.2		(3)



	Solution/Tharollo	Marks/ Matshwao
10.2.1		(3)
10.2.2		(6)
		[17]



