



LEARNER'S NAME:
IGAMA LOMFUNDI:

GRADE 12
IBANGA 12

NATIONAL SENIOR CERTIFICATE

GRADE 12/IBANGA 12

SEPTEMBER/SEPTEMBER 2023

MATHEMATICS P2/IMATHEMATIKA P2 SPECIAL ANSWER BOOK/ *INCWADI EKHETHEKILEYO YOKUPHENDULELA*

Marker/uMmaki				Moderator's Initials / Ii-inishiyali zeModareyitha									
Question <i>Umbuzo</i>	Mark <i>Ingaku</i>	Initial <i>Ii-inishiyali</i>		Marks <i>Amanqaku</i>	S M	Marks <i>Amanqaku</i>	D M	Marks <i>Amanqaku</i>	P M	Marks <i>Amanqaku</i>	NM		
1													
2													
3													
4													
5													
6													
7													
8													
9													
10													
TOTAL EWONKE													

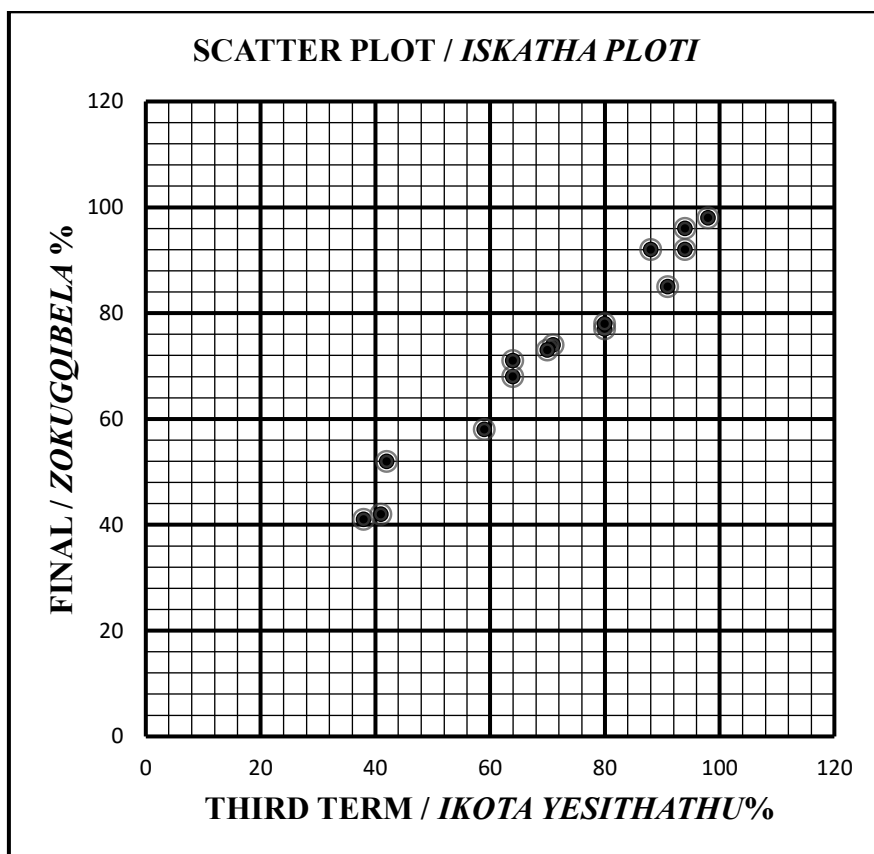
This special answer book consists of 25 pages./
Lencwadi ekhethekileyo yokuphendulela inamaphepha angama25.

QUESTION 1/UMBUZO 1

	Solution/Isisombululo	Marks/ Amanqaku
1.1	29 27 24 31 22 19 30	
1.1.1	(a) Mean / Imin =	(2)
1.1.1	(b) Standard Deviation / iStandadi Diviyeyishini =	(1)
1.1.2		(3)
1.1.3		(2)
1.2	Box plot showing the distribution of data. The number line ranges from 10 to 60 with major ticks every 10 units. The box plot has a minimum at 12, Q1 at 26, Median at 30, Q3 at 48, and Maximum at 64.	
1.2.1		(1)
1.2.2		(2)
		[11]

QUESTION 2/UMBUZO 2

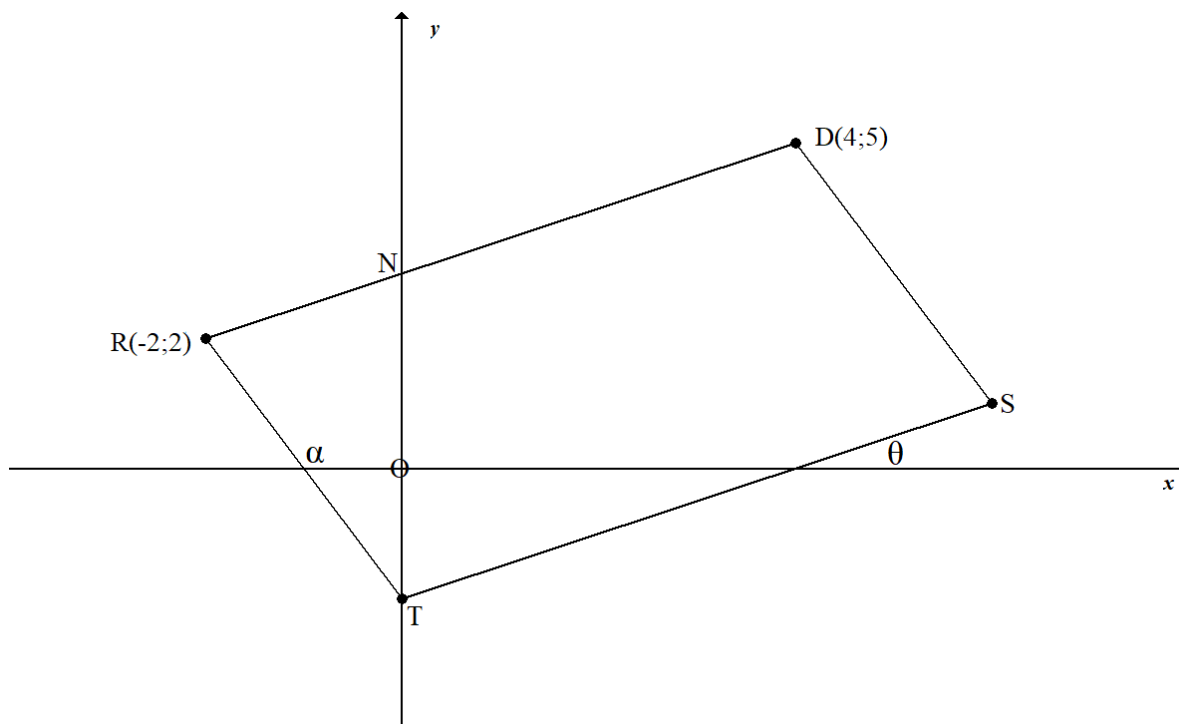
Third / <i>Yesithathu</i>	71	80	59	38	41	98	80	88	91	94	64	94	70	42	64
Final / <i>Zokugqibela</i>	74	77	58	41	42	98	78	92	85	92	68	96	73	52	71



	Solution/Isisombululo	Marks/ Amanqaku
2.1		(3)
2.2		(1)
2.3.1		(2)
2.3.2		(1)

	Solution/ <i>Isisombululo</i>	Marks/ <i>Amanqaku</i>
2.4.1		(1)
2.4.2		(1)
		[9]

QUESTION 3/UMBUZO 3



	Solution/Isisombululo	Marks/ Amanqaku
3.1		(1)
3.2.1		(2)

	Solution/Isisombululo	Marks/ Amanqaku
3.2.2		(5)
3.3		(3)
3.4		(3)

	Solution/Isisombululo	Marks/ Amanqaku
3.5		
		(4)
		[18]

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	Solution/Isisombululo	Marks/ Amanqaku
4.1.3		(3)
4.1.4		(2)
4.2		(3)
4.3		(2)

	Solution/Isisombululo	Marks/ Amanqaku
4.4		(6)
4.5		(2)
		[22]

QUESTION 5/UMBUZO 5

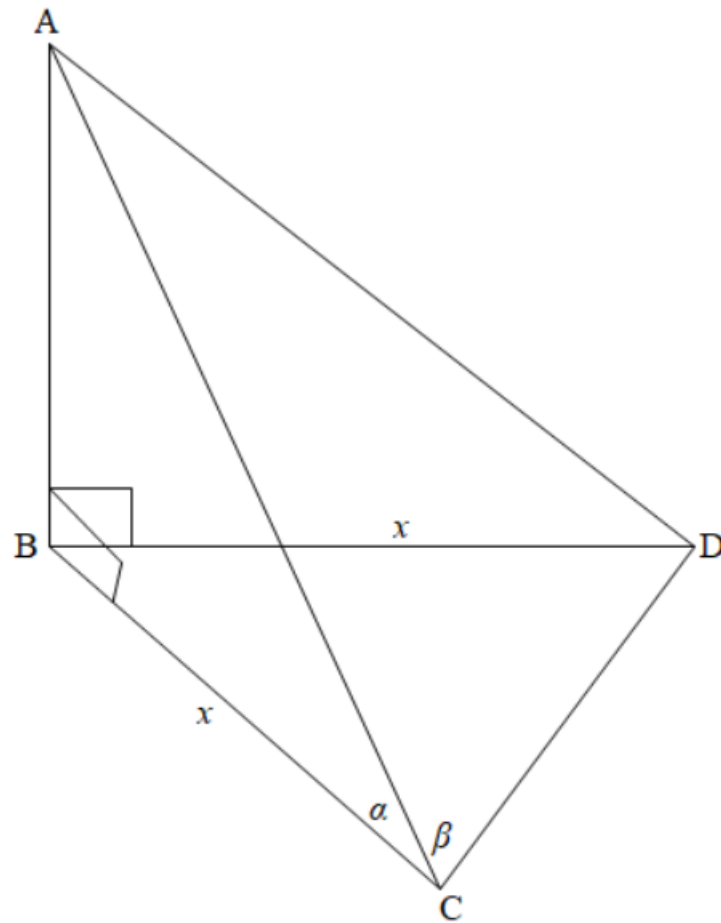
	Solution/Isisombululo	Marks/ Amanqaku
5.1.1		(2)
5.1.2		(2)

	Solution/Isisombululo	Marks/ Amanqaku
5.1.3		(4)
5.2		(6)

	Solution/Isisombululo	Marks/ Amanqaku
5.3		
		(4)
5.4		
		(4)

	Solution/Isisombululo	Marks/ Amanqaku
5.5.1		
		(4)
5.5.2		
		(4)
		[30]

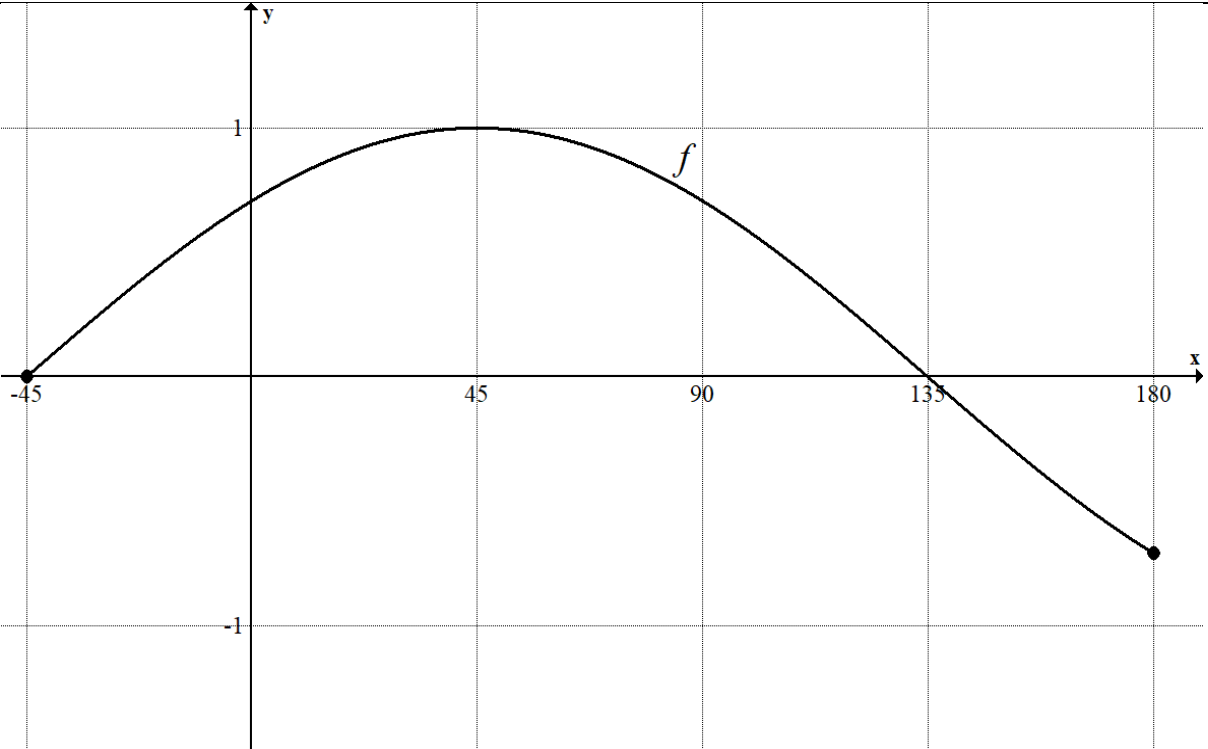
QUESTION 6/UMBUZO 6



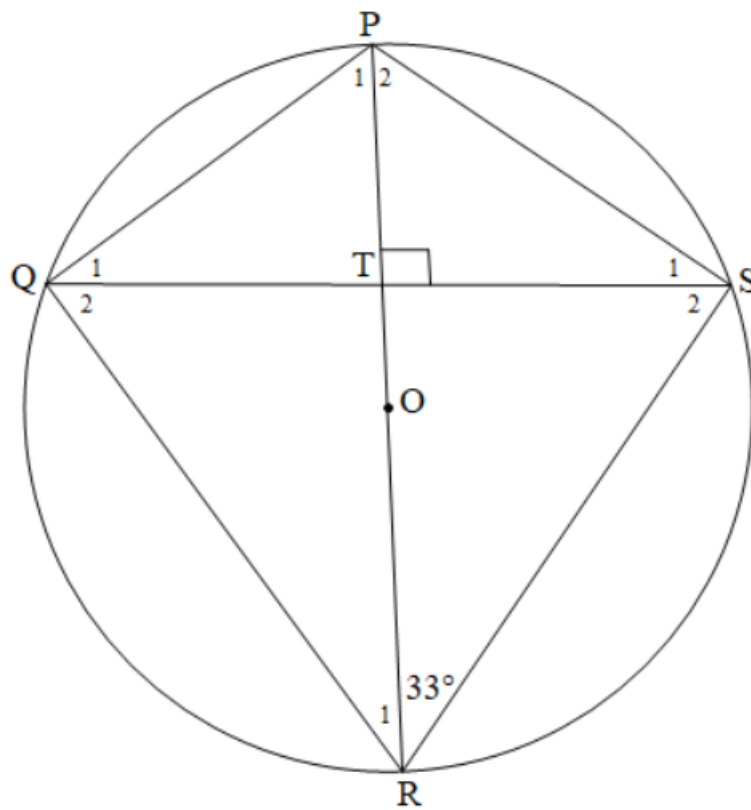
	Solution/Isisombululo	Marks/ Amanqaku
6.1		(1)
6.2		(2)

	Solution/Isisombululo	Marks/ Amanqaku
6.3		(4)
6.4		(2)
		[9]

QUESTION 7/UMBULO 7

	Solution/Isisombululo	Marks/ Amanqaku
7.1		(2)
7.2		(3)
7.3		(1)
7.4		(2)
7.5		(2)
7.6		(1)
		[11]

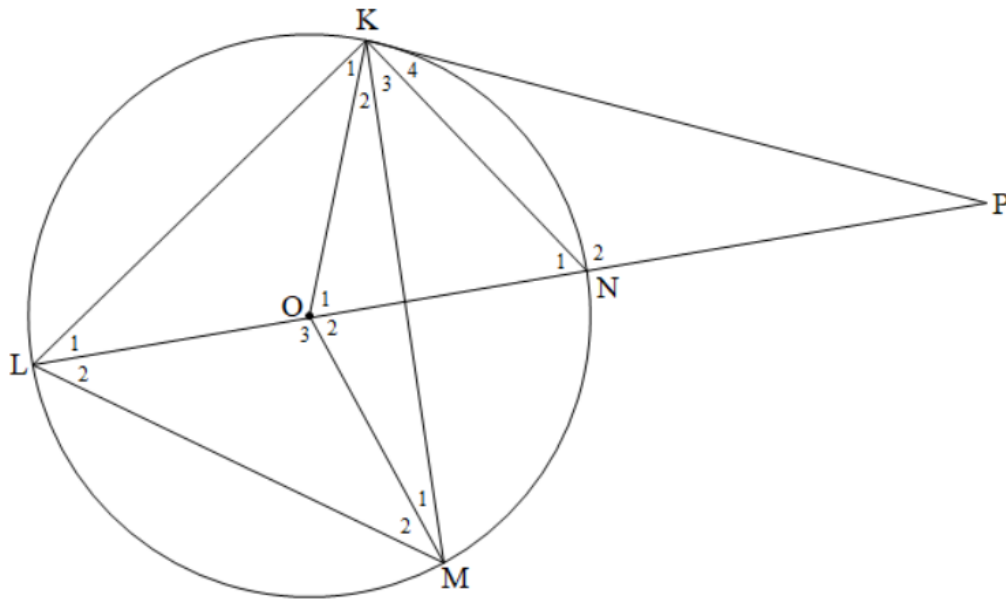
QUESTION 8/UMBULO 8



	Solution/ <i>Isisombululo</i>	Marks/ <i>Amanqaku</i>
8.1.1		(3)
8.1.2		(2)

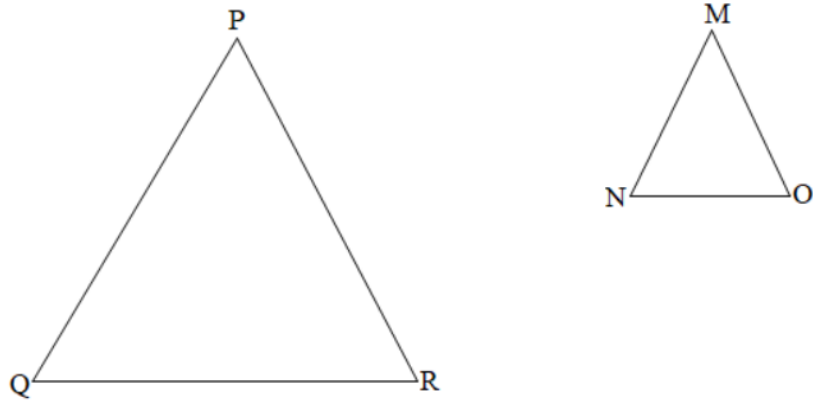
	Solution/Isisombululo	Marks/ Amanqaku
8.2		
		(4)
		[9]

QUESTION 9/UMBUZO 9

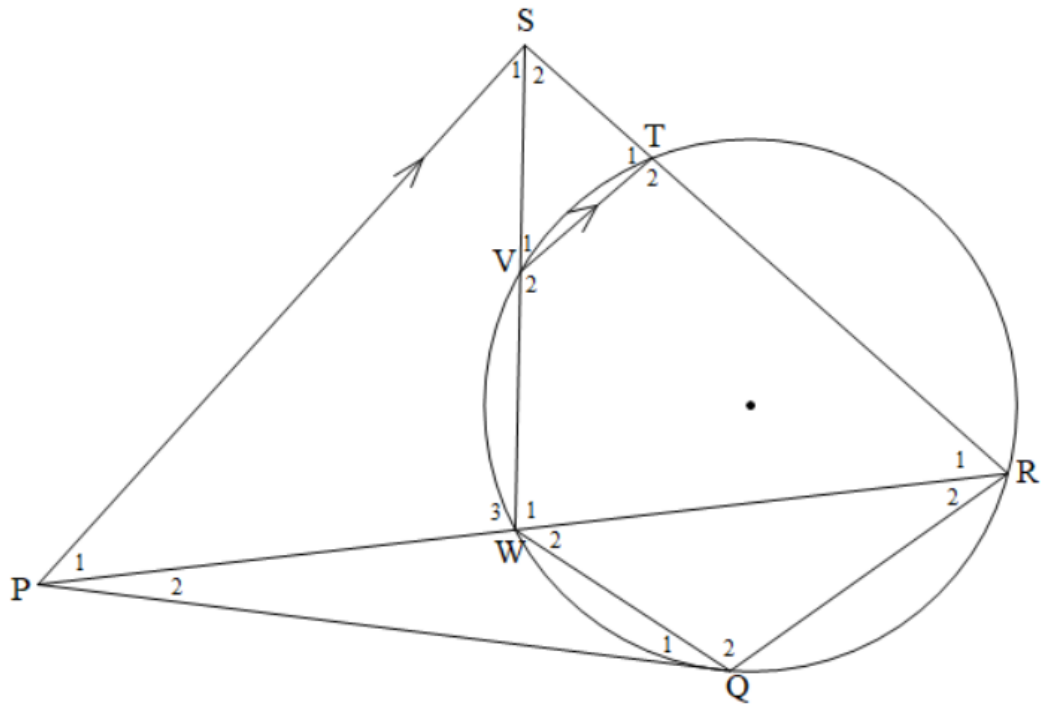


	Solution/Isisombululo	Marks/ Amanqaku
9.1		(2)
9.2.1		(2)
9.2.2		(2)
9.2.3		(2)
9.3		(3)
		[11]

QUESTION 10/UMBUZO 10



	Solution/Isisombululo	Marks/ Amanqaku
10.1		
		(6)



	Solution/Isisombululo	Marks/ Amanqaku
10.2.1		(3)
10.2.2		(3)

	Solution/Isisombululo	Marks/ Amanqaku
10.2.3		(5)
10.2.4		(3)
		[20]

TOTAL/EWONKE: 150

[illegible]

