



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										

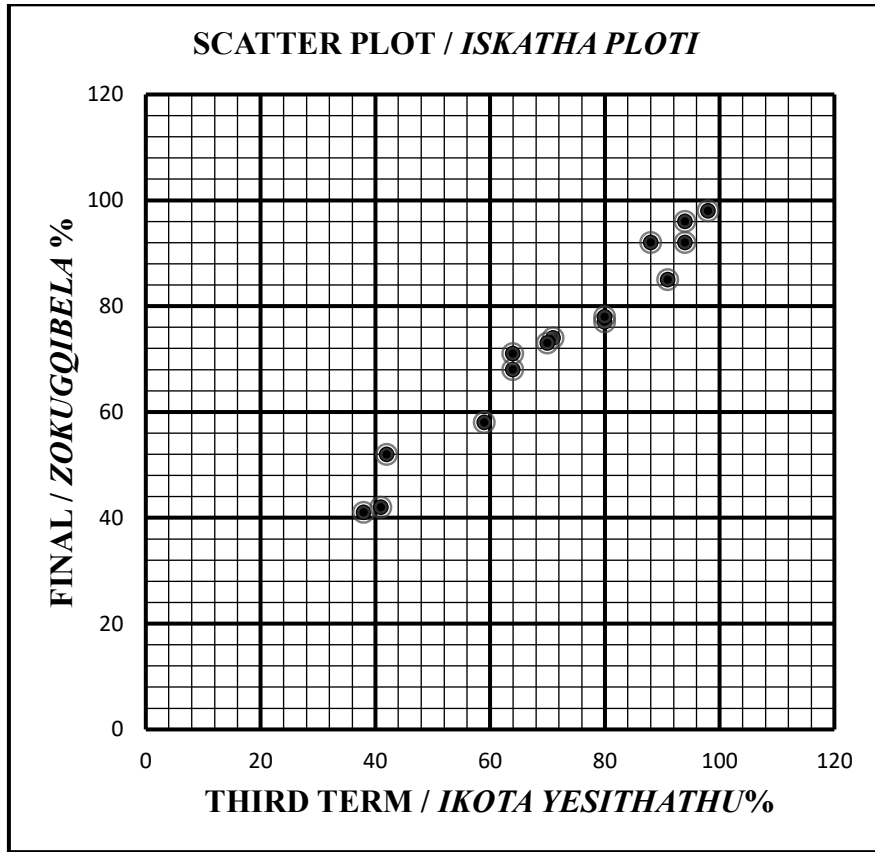
This special answer book consists of 25 pages./
Lencwadi ekhethekileyo yokuphendulela inamaphepha angama25.

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	<p>A box plot is shown on a horizontal axis. The axis has tick marks at 10, 20, 30, 40, 50, and 60. The box plot has a minimum at 12, a first quartile (Q1) at 26, a median at 30, a third quartile (Q3) at 48, and a maximum at 65. The values 26, 30, and 48 are labeled above the box.</p>	
1.2.1		(1)
1.2.2		(2)
		[11]

QUESTION 2/UMBUZO 2

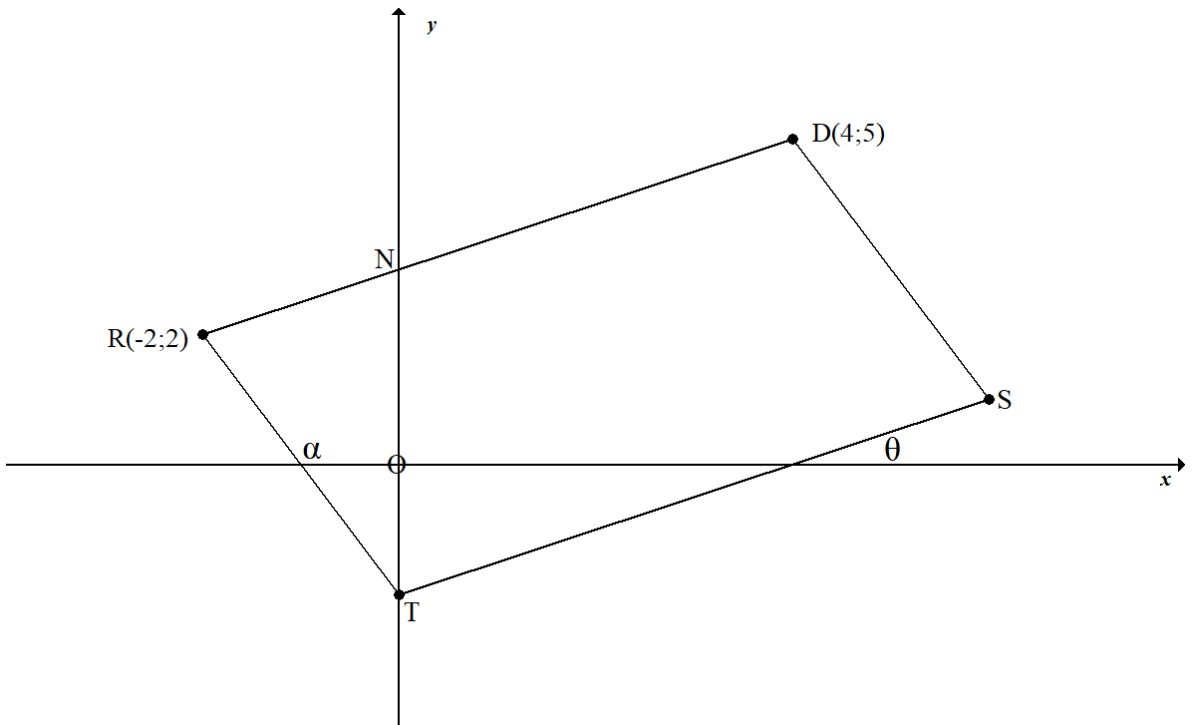
Third / <i>Yesithathu</i>	71	80	59	38	41	98	80	88	91	94	64	94	70	42	64
Final / <i>Zokugqibela</i>	74	77	58	41	42	98	78	92	85	92	68	96	73	52	71



	Solution/Isisombululo	Marks/ <i>Amanqaku</i>
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

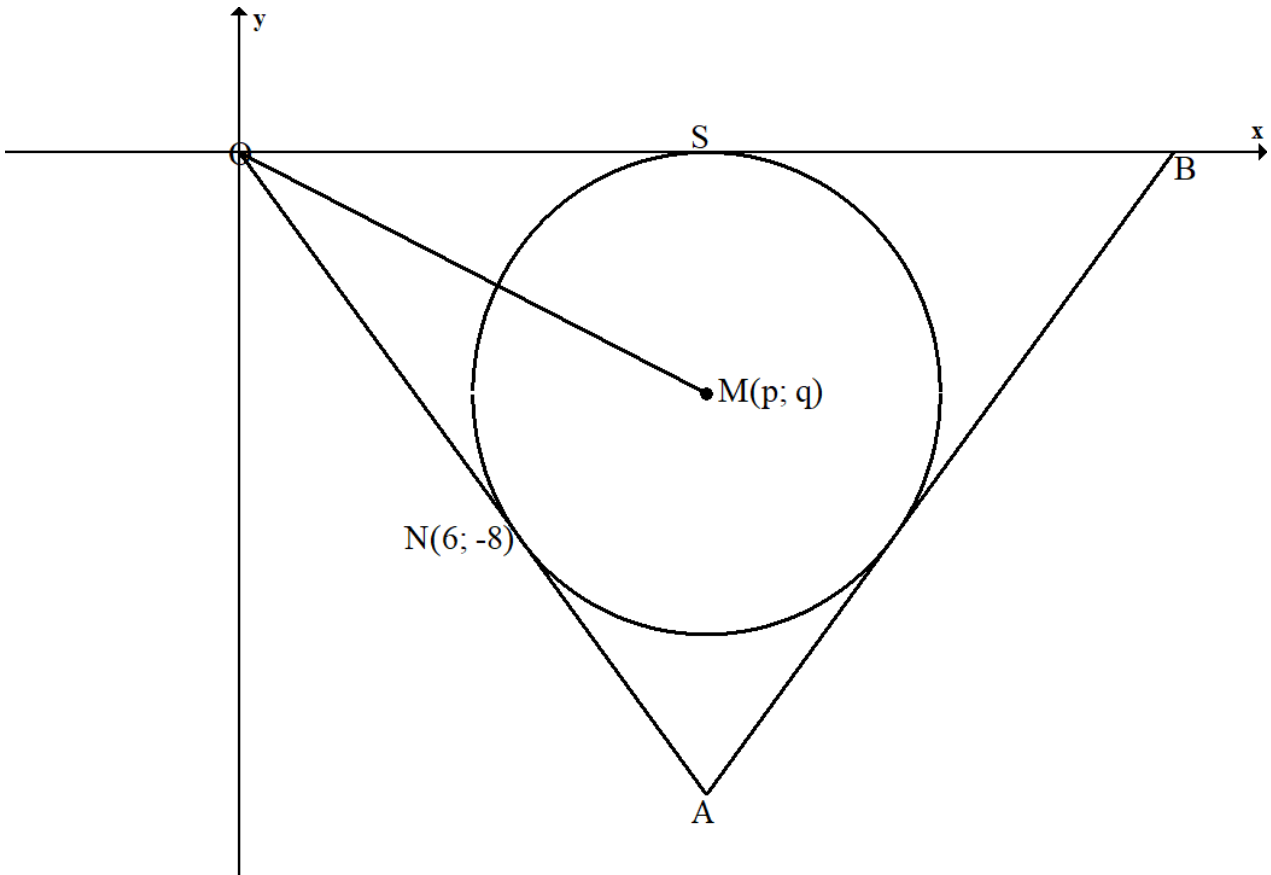


	Solution/Isisombululo	Marks/ Amanqaku
3.1		(1)
3.2.1		(2)

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

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

QUESTION 4/UMBUZO 4



	Solution/Isisombululo	Marks/ Amanqaku
4.1.1		(2)
4.1.2		(2)

	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

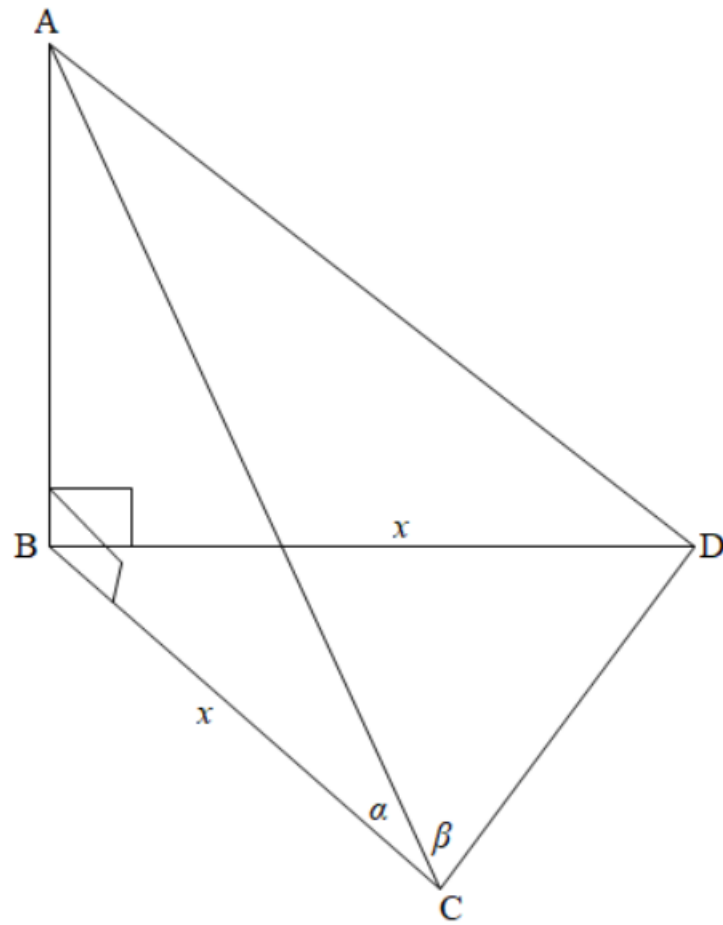
	Solution/Isisombululo	Marks/ Amanqaku
5.1.1		(2)
5.1.2		(2)

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

	Solution/Isisombululo	Marks/ Amanqaku
5.3		
5.4		(4)

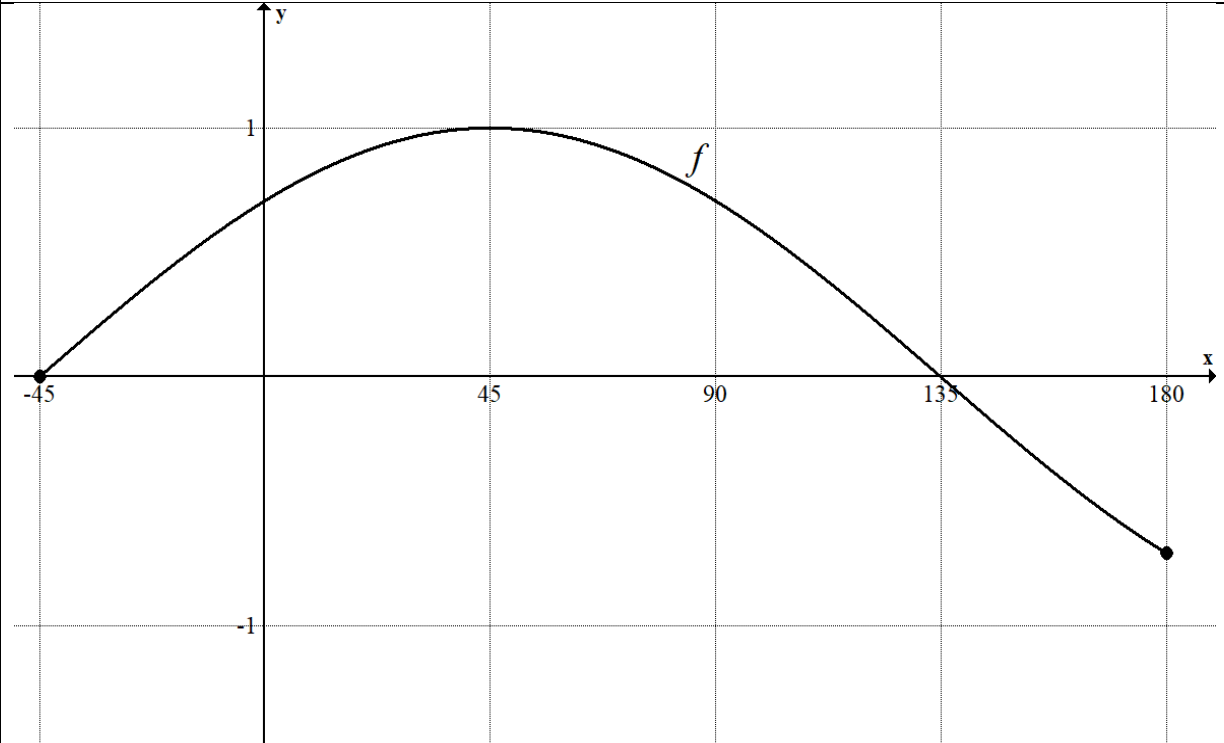
	Solution/Isisombululo	Marks/ Amanqaku
5.5.1		(4)
5.5.2		(4)
	[30]	

QUESTION 6/UMBUZO 6

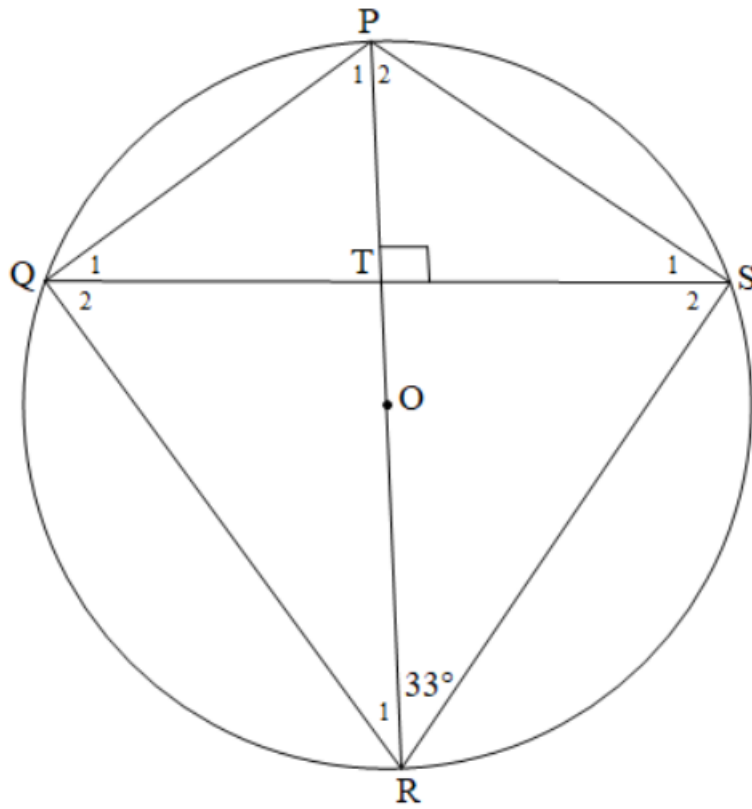


	Solution/Isisombululo	Marks/ Amanqaku
6.1		(1)
6.2		(2)

QUESTION 7/UMBZO 7

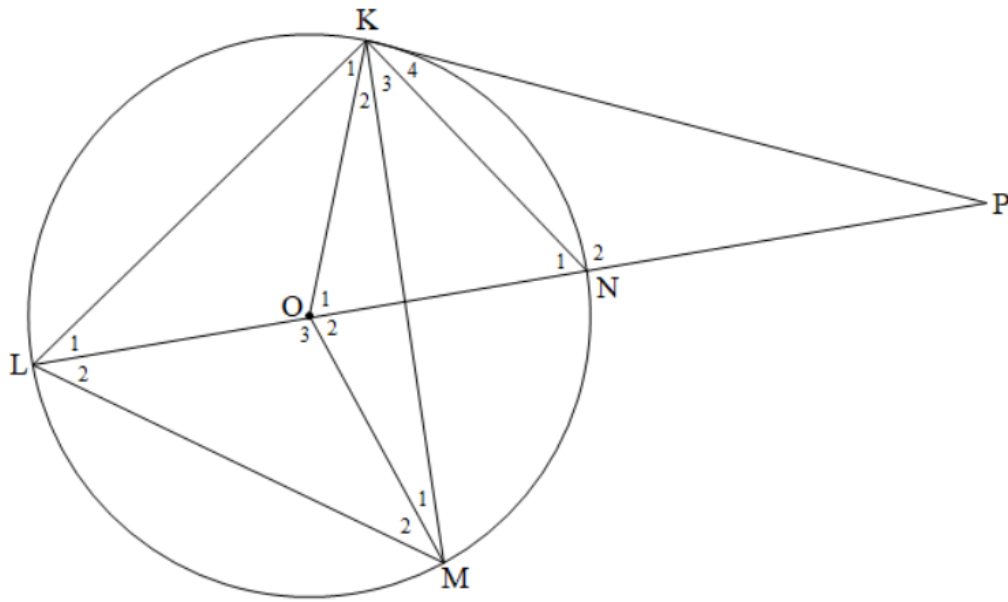
	Solution/Isisombululo	Marks/ Amanqaku
7.1		(2)
7.2		(3)
7.3		(1)
7.4		(2)
7.5		(2)
7.6		(1)
		[11]

QUESTION 8/UMBZO 8

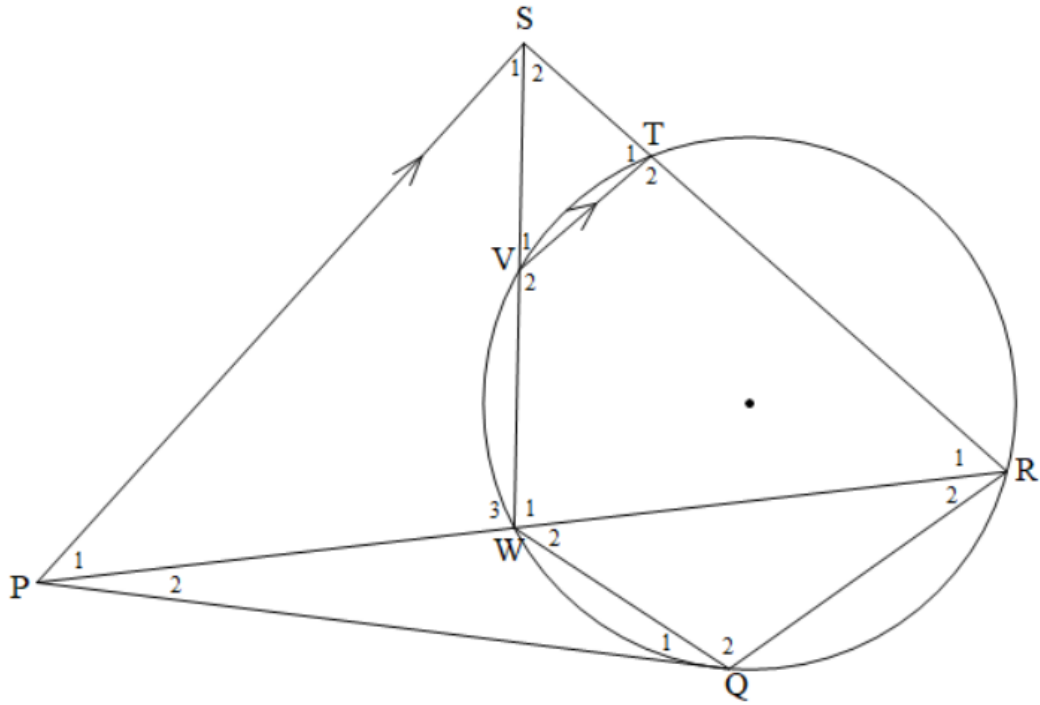


	Solution/ <i>Isisombululo</i>	Marks/ <i>Amanqaku</i>
8.1.1		(3)
8.1.2		(2)

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]



	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

