



Province of the  
**EASTERN CAPE**  
EDUCATION



LEARNER'S NAME:

GRADE 12

# NATIONAL SENIOR CERTIFICATE

GRADE 12

SEPTEMBER 2022

## MATHEMATICS P2 (DEAF) SPECIAL ANSWER BOOK

Marker/Merker				Moderator's Initials / Moderator se paraaf																
Question Vraag	Mark Punt			Initial Parafeer	Marks Punte			S M	Marks Punte			D M	Marks Punte			P M	Marks Punte			NM
1																				
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				
TOTAL																				

This special answer book has 18 pages.

## QUESTION 1

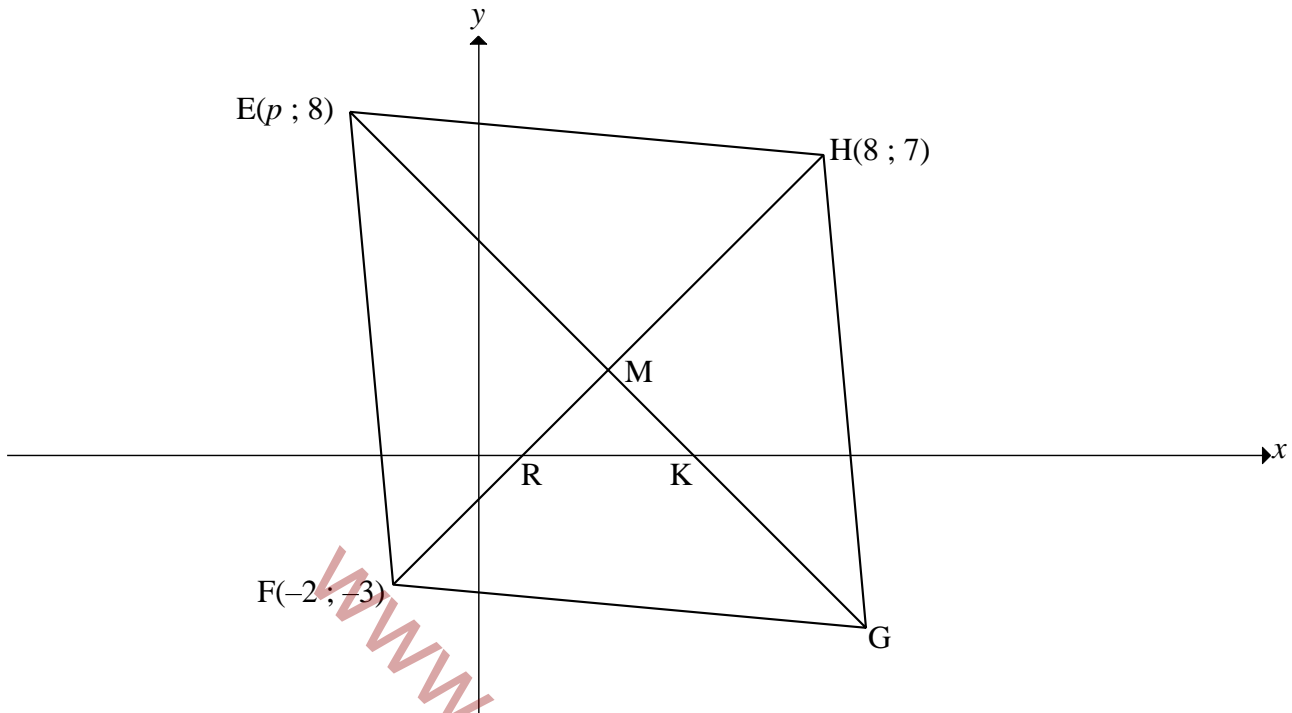
	Solution	Marks																														
1.1	<table border="1"> <thead> <tr> <th>Distance of Jumps (in cm)</th><th>Number of athletes</th><th>Cumulative Frequency</th></tr> </thead> <tbody> <tr> <td><math>420 &lt; d \leq 460</math></td><td>6</td><td></td></tr> <tr> <td><math>460 &lt; d \leq 500</math></td><td>14</td><td></td></tr> <tr> <td><math>500 &lt; d \leq 540</math></td><td>16</td><td></td></tr> <tr> <td><math>540 &lt; d \leq 580</math></td><td>42</td><td></td></tr> <tr> <td><math>580 &lt; d \leq 620</math></td><td>14</td><td></td></tr> <tr> <td><math>620 &lt; d \leq 660</math></td><td>2</td><td></td></tr> <tr> <td><math>660 &lt; d \leq 700</math></td><td>3</td><td></td></tr> <tr> <td><math>700 &lt; d \leq 740</math></td><td>2</td><td></td></tr> <tr> <td><math>740 &lt; d \leq 780</math></td><td>1</td><td></td></tr> </tbody> </table>	Distance of Jumps (in cm)	Number of athletes	Cumulative Frequency	$420 < d \leq 460$	6		$460 < d \leq 500$	14		$500 < d \leq 540$	16		$540 < d \leq 580$	42		$580 < d \leq 620$	14		$620 < d \leq 660$	2		$660 < d \leq 700$	3		$700 < d \leq 740$	2		$740 < d \leq 780$	1		(2)
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1.2	<p style="text-align: center;"><b>OGIVE</b></p>	(4)																														
1.3		(2)																														
1.4		(2)																														
		<b>[10]</b>																														

## QUESTION 2

Long jumper	1	2	3	4	5	6
$x$ : Hours practised	4,5	2	3,5	4	8	3
$y$ : Distance jumped (cm)	650	420	580	490	780	525

	Solution	Marks
2.1		(3)
2.2		(2)
2.3		(2)
2.4.1		(1)
2.4.2		(1)
2.4.3		(1)
		<b>[10]</b>

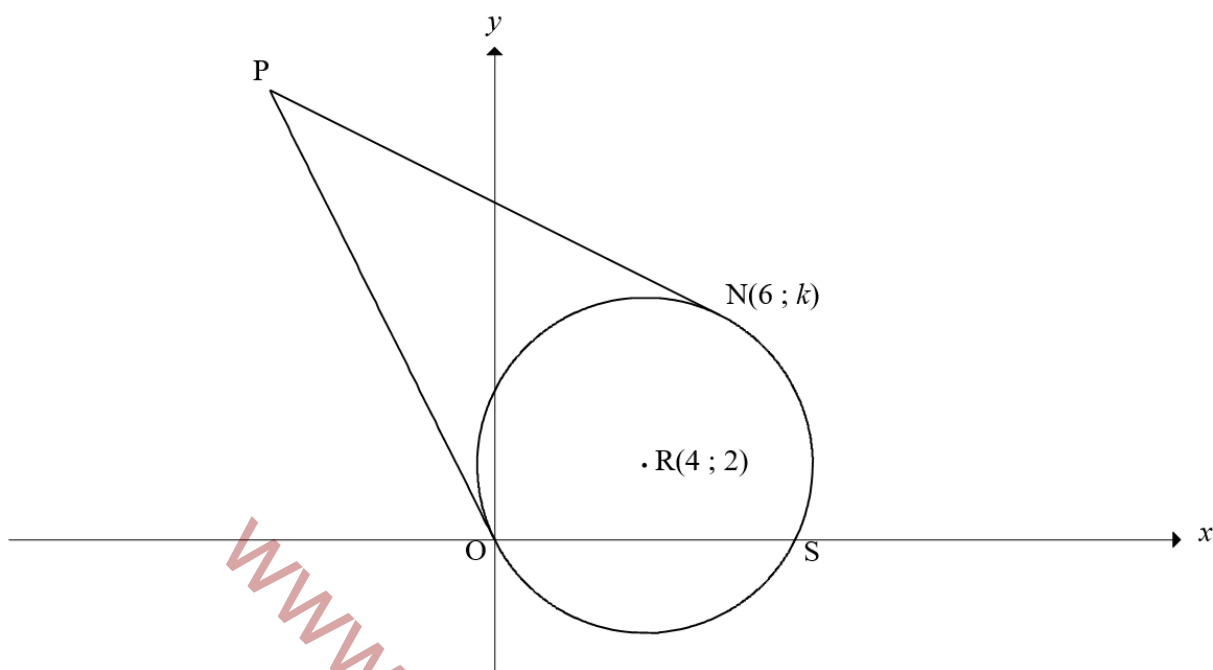
## QUESTION 3



	Solution	Marks
3.1.1		(2)
3.1.2		(2)
3.1.3		(4)

	Solution	Marks
3.2		(4)
3.3		(2)
3.4		(3)
		[17]

## QUESTION 4



	Solution	Marks
4.1		(3)
4.2		(4)
4.3		(5)

	Solution	Marks
4.4.1		(3)
4.4.2		(4)
4.5		(4)
		[23]

## QUESTION 5

	Solution	Marks
5.1.1		(2)
5.1.2		(3)
5.1.3		(2)
5.2.1		(5)
5.2.2		(4)

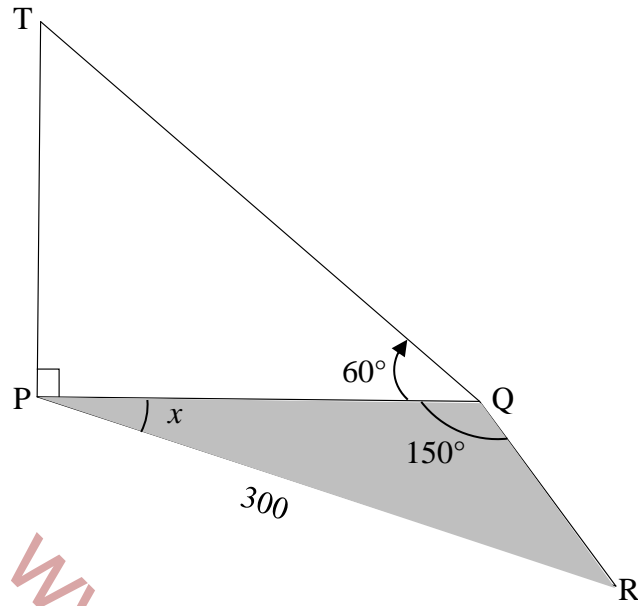


	Solution	Marks
5.3.1		(4)
5.3.2		(3)
5.4		(7)
		[30]

## QUESTION 6

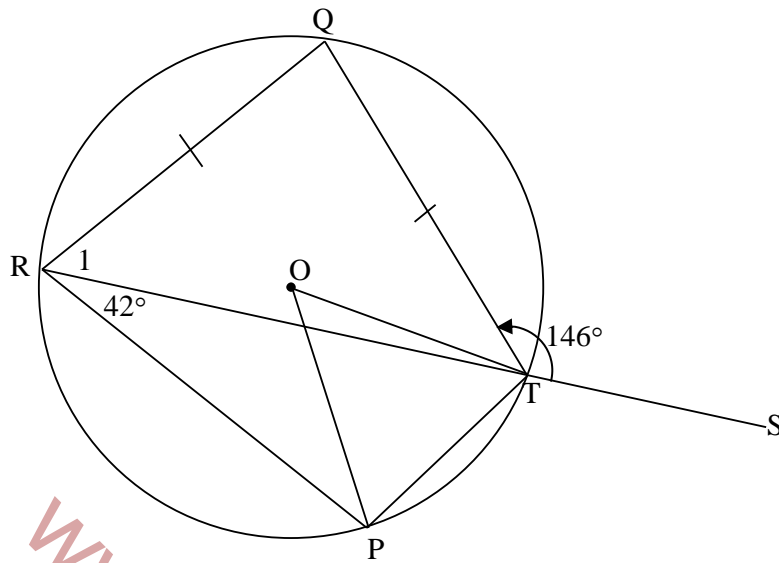
	Solution	Marks
6.1		(3)
6.2.1		(1)
6.2.2		(2)
6.3		(2)
6.4		(2)
6.5		(2)
		<b>[12]</b>

## QUESTION 7



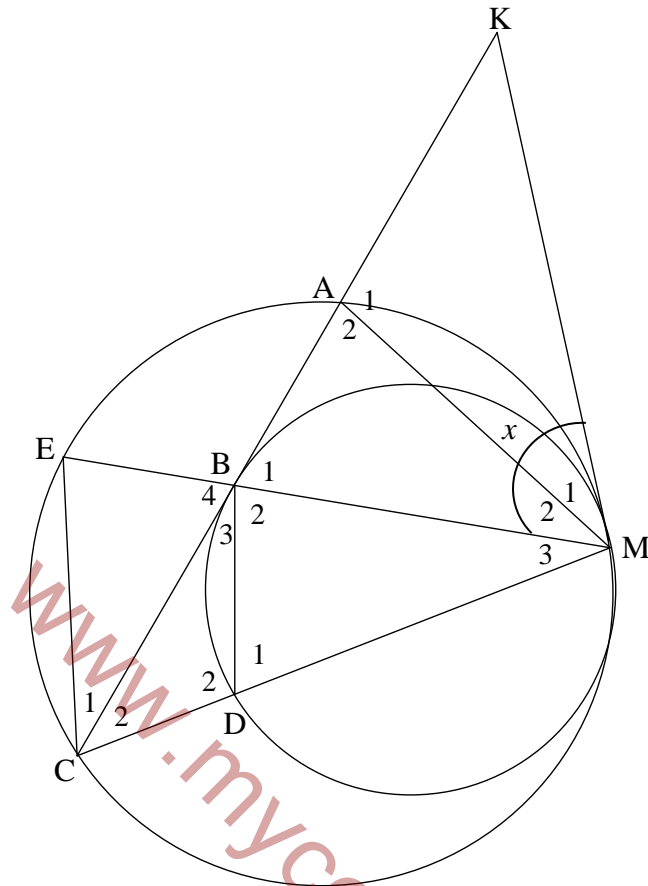
	Solution	Marks
7.1		(1)
7.2		(3)
7.3		(4)
		[8]

## QUESTION 8



	Solution	Marks
8.1		(2)
8.2		(2)
8.3		(3)
		[7]

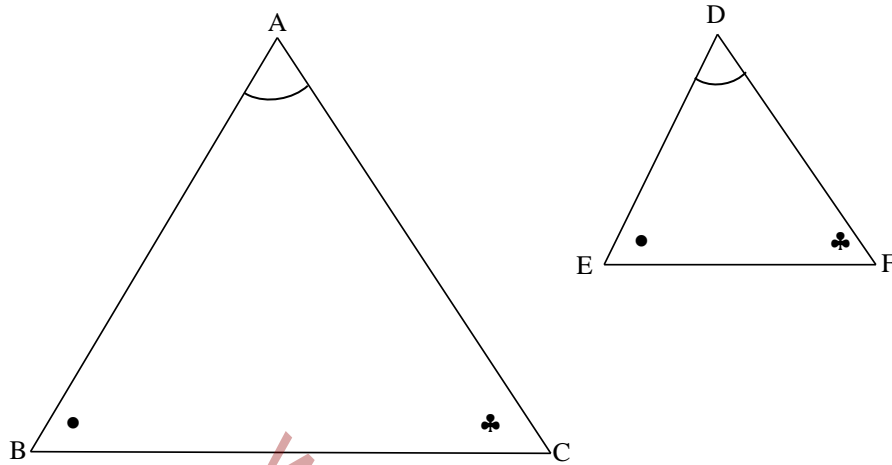
### QUESTION 9



	Solution	Marks
9.1		(5)
9.2.1		(2)
9.2.2		(3)
9.2.3		(2)
		<b>[12]</b>

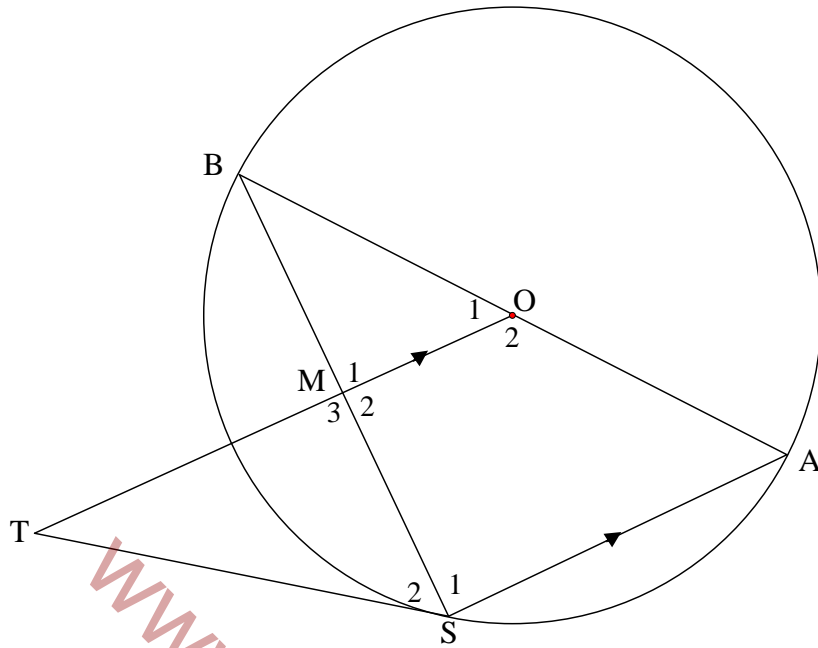
## QUESTION 10

10.1



	Solution	Marks
10.1		(6)

10.2



	Solution	Marks
10.2.1		(4)
10.2.2		(5)
10.2.3		(3)
10.2.4		(3)
		[21]

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**TOTAL: 150**