



LEARNER NAME

NATIONAL SENIOR CERTIFICATE

MATHEMATICS P2

GRADE 11

NOVEMBER 2015

SPECIAL ANSWER BOOK

QUESTION	MARK	INITIAL	MOD.
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
TOTAL			

This answer book consists of 22 pages.



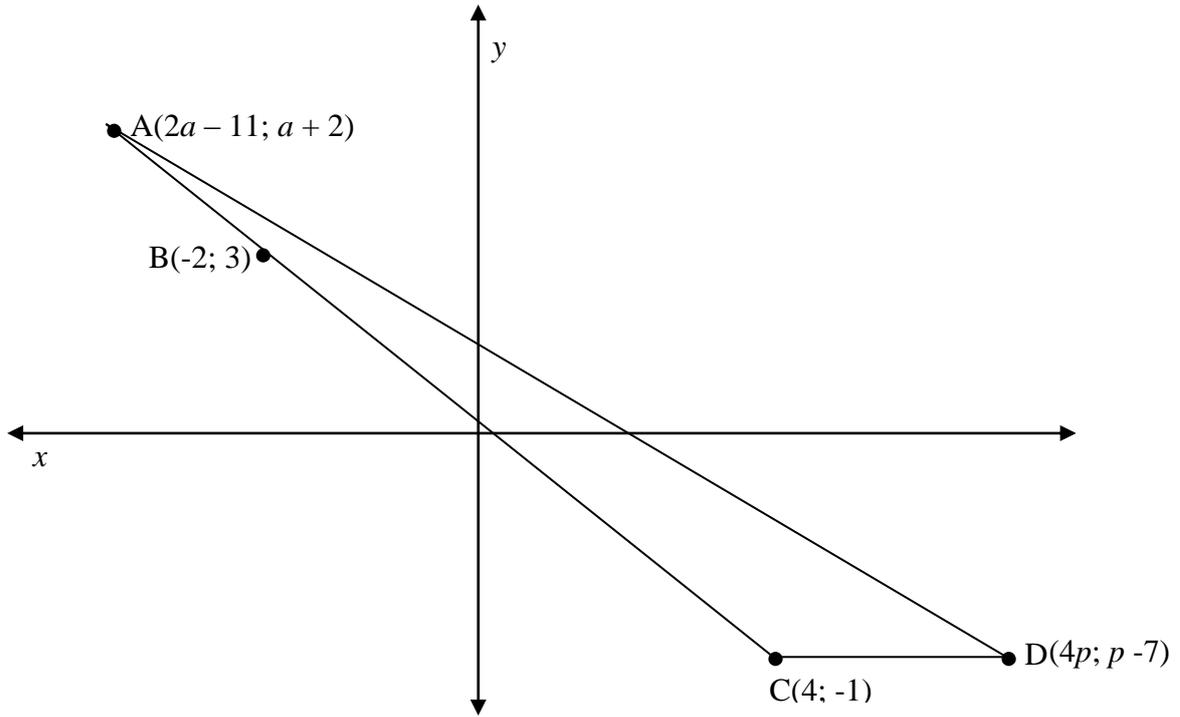
QUESTION 1

	Solution	Marks																		
1.1	<table border="1"> <thead> <tr> <th>HEIGHT (cm)</th> <th>FREQUENCY</th> <th>CUMULATIVE FREQUENCY</th> </tr> </thead> <tbody> <tr> <td>$150 < x \leq 155$</td> <td>4</td> <td></td> </tr> <tr> <td>$155 < x \leq 160$</td> <td>22</td> <td></td> </tr> <tr> <td>$160 < x \leq 165$</td> <td>56</td> <td></td> </tr> <tr> <td>$165 < x \leq 170$</td> <td>32</td> <td></td> </tr> <tr> <td>$170 < x \leq 175$</td> <td>6</td> <td></td> </tr> </tbody> </table>	HEIGHT (cm)	FREQUENCY	CUMULATIVE FREQUENCY	$150 < x \leq 155$	4		$155 < x \leq 160$	22		$160 < x \leq 165$	56		$165 < x \leq 170$	32		$170 < x \leq 175$	6		(2)
HEIGHT (cm)	FREQUENCY	CUMULATIVE FREQUENCY																		
$150 < x \leq 155$	4																			
$155 < x \leq 160$	22																			
$160 < x \leq 165$	56																			
$165 < x \leq 170$	32																			
$170 < x \leq 175$	6																			
1.2	<p style="text-align: center;">Ogive</p>	(4)																		
1.3	<table border="1"> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> </table>							(5)												
1.4	<table border="1"> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> </table>				(1)															
		[12]																		

QUESTION 2

	Solution	Marks
2.1		
		(2)
2.2		
		(1)
2.3		
		(4)
		[7]

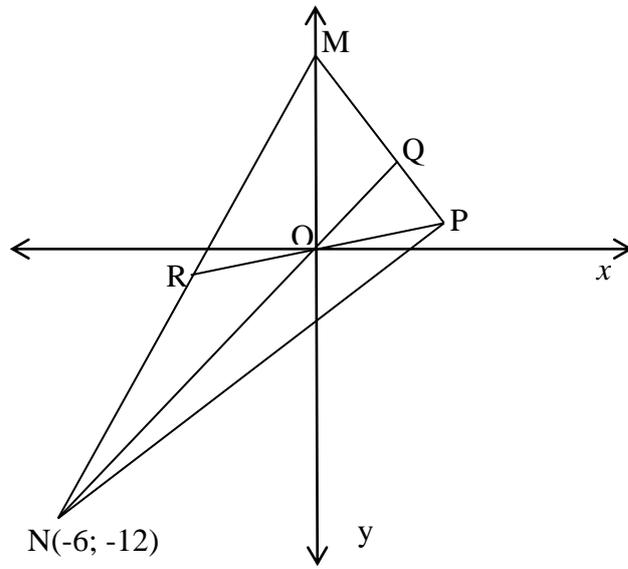
QUESTION 3



	Solution	Marks
3.1		
		(4)
3.2		
		(3)
3.3		
		(3)

3.4		
		(3)
		[13]

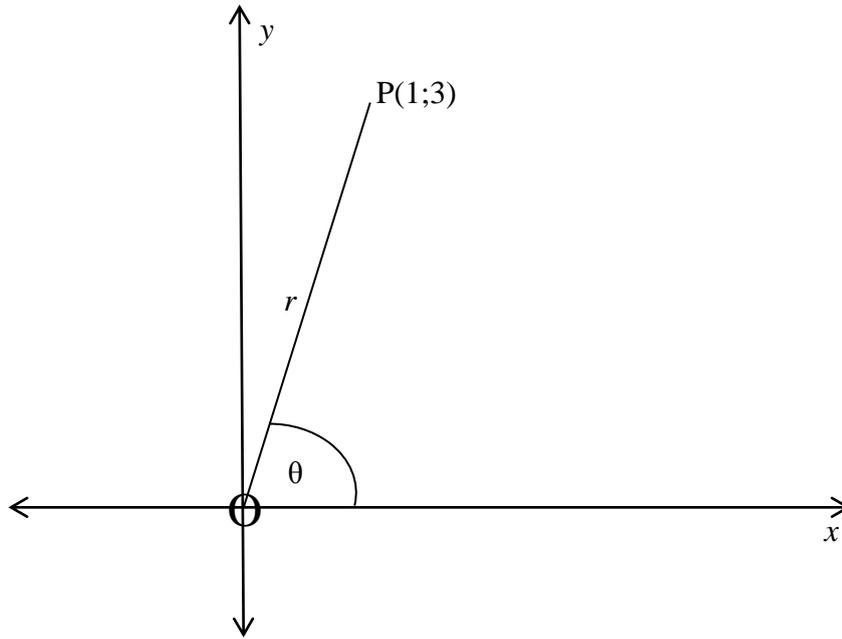
QUESTION 4



	Solution	Marks
4.1		
		(1)
4.2		
		(1)
4.3		
		(3)
4.4		
		(4)

4.5		
		(4)
4.6		
		(3)
		[16]

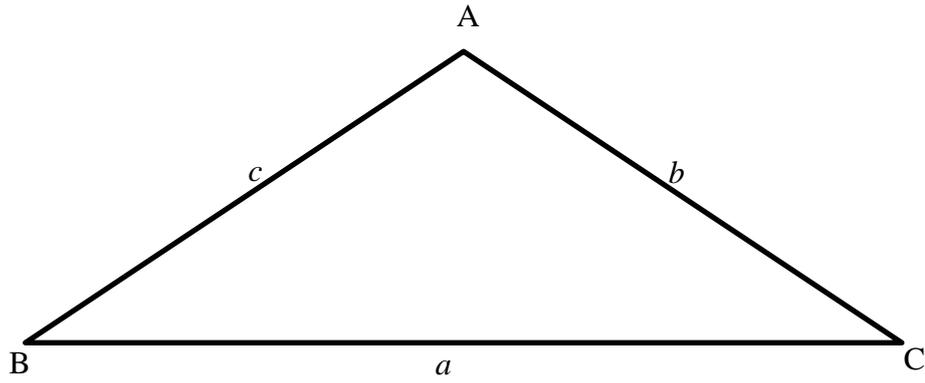
QUESTION 5



	Solution	Marks
5.1.1		
		(2)
5.1.2		
		(2)
5.1.3a		
		(1)
5.1.3b		
		(2)
5.2		
	(6)	

5.3		
		(5)
5.4		
		(5)
		[23]

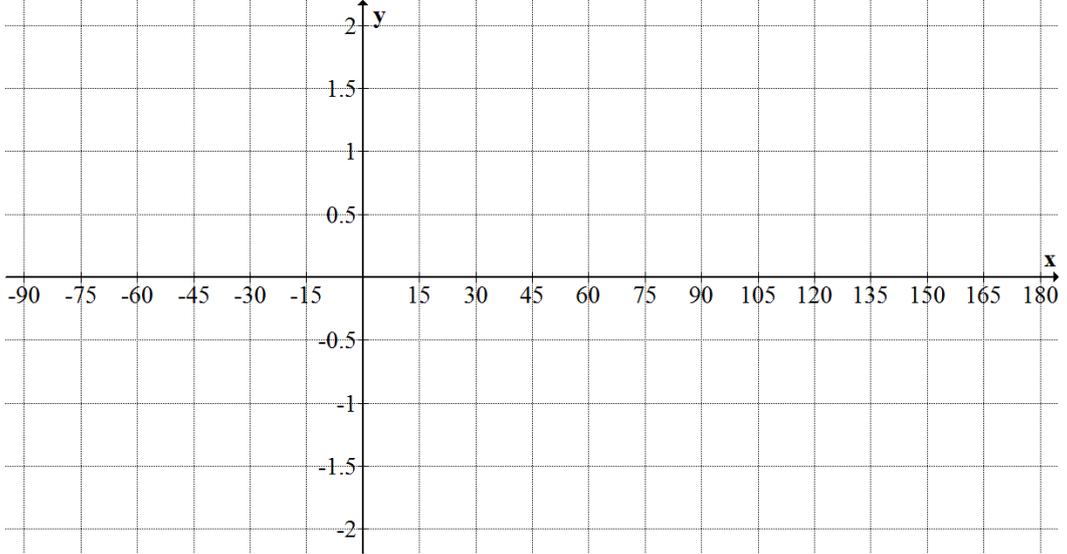
QUESTION 6



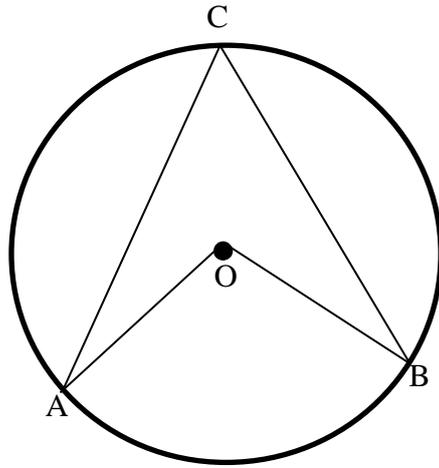
	Solution	Marks
6.1		
		(2)
6.2		
6.2.1		
		(3)
6.2.2		
		(3)

6.2.3		
		(3)
6.2.4		
		(4)
		[15]

QUESTION 7

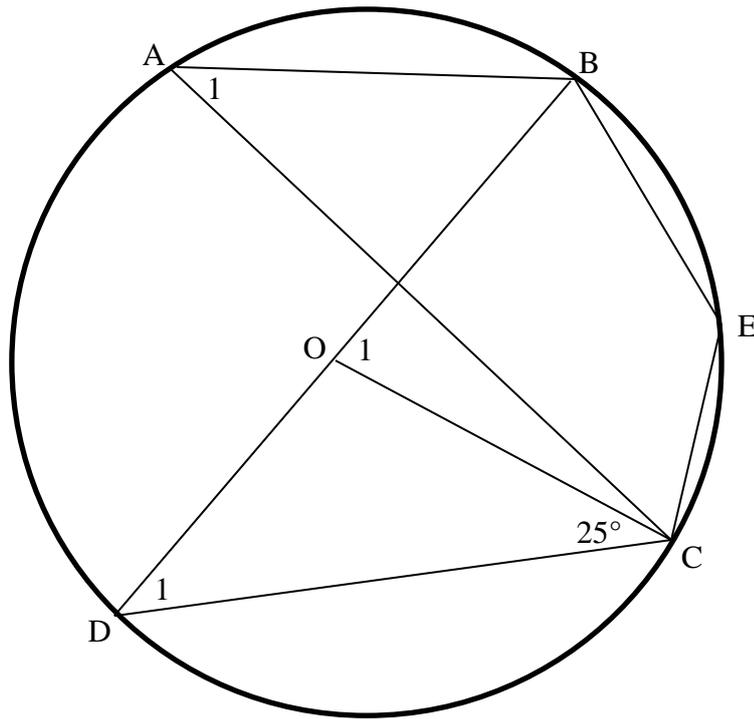
	Solution	Marks
7.1		(6)
7.2	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>	(6)
7.3	<div style="border: 1px solid black; height: 67px; width: 100%;"></div>	(1)
		[13]

QUESTION 9



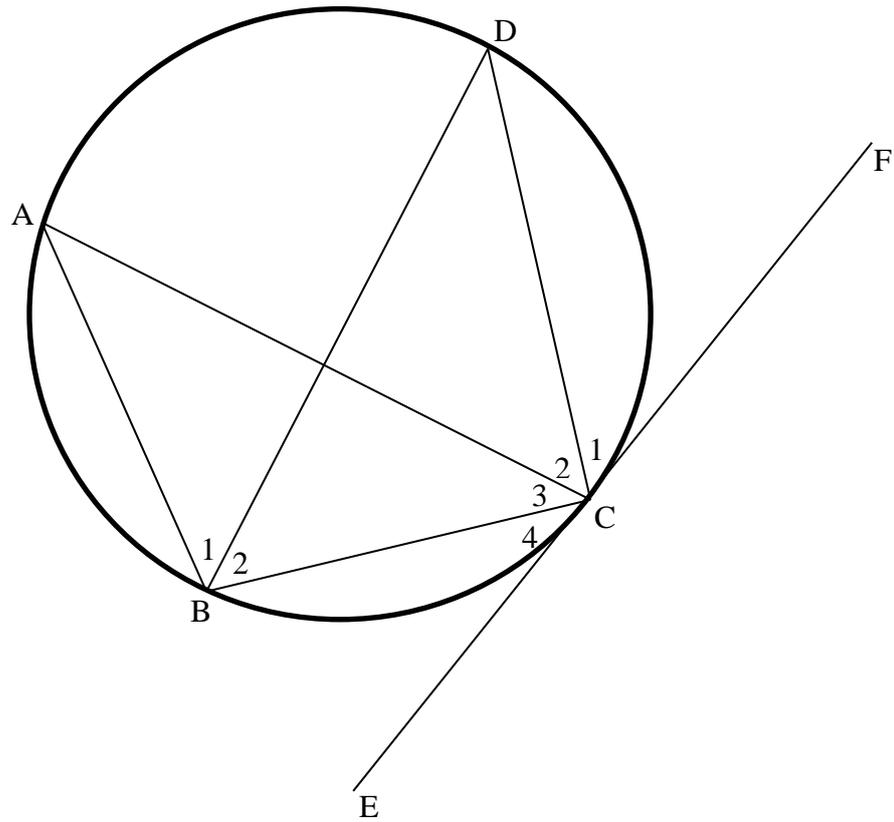
	Solution	Marks
9.1		
		(6)

9.2



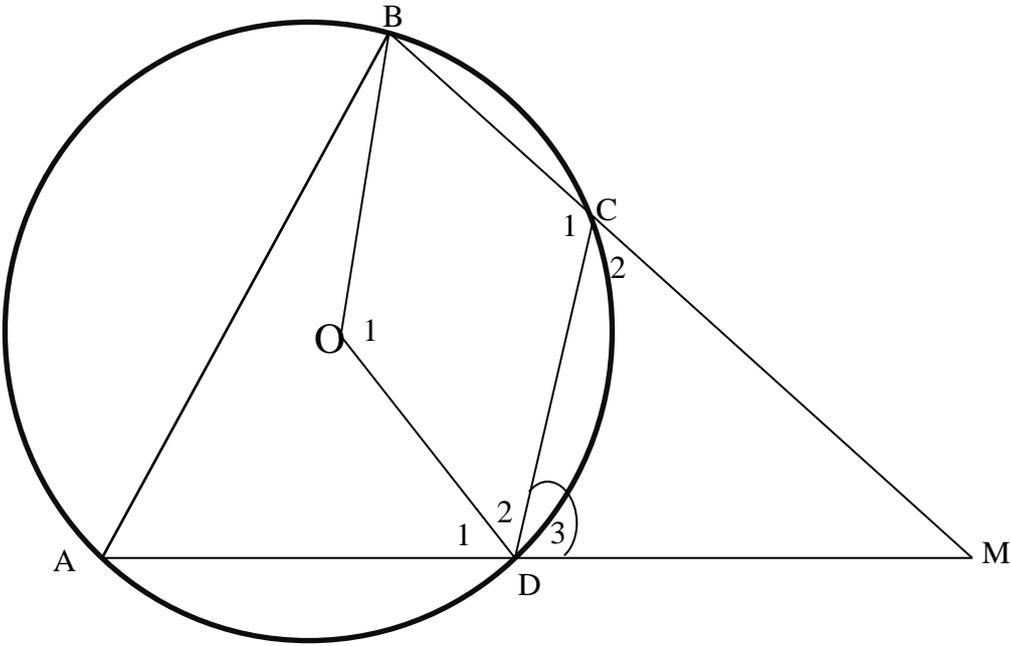
9.2.1		
		(2)
9.2.2		
		(2)
9.2.3		
		(2)
9.2.4		
		(2)
		[14]

QUESTION 10



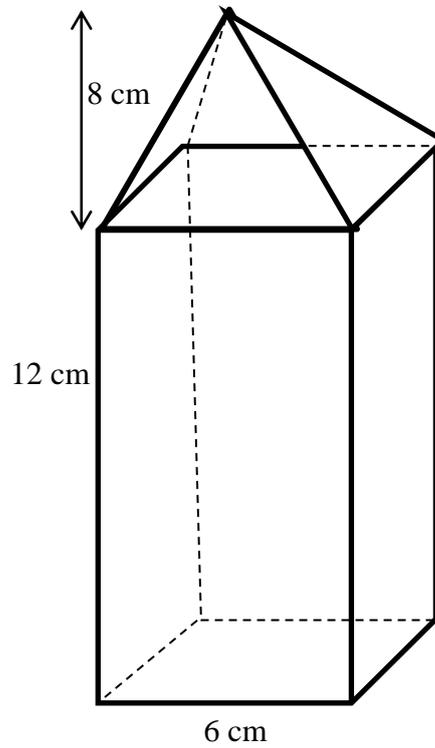
	Solution	Marks
10.1		
		(4)
10.2		
		(2)
		[6]

QUESTION 11

	Solution	Marks
11.1		
		(1)
11.2		
11.2.1		
		(5)

11.2.2		
	(2)	
11.2.3		
	(3)	
	[11]	

QUESTION 12



	Solution	Marks
12.1		
		(3)
12.2		
		(3)
12.3		
		(5)
		[11]

