

EXAMINATION NUMBER:														
CENTRE NUMBER:														

SENIOR CERTIFICATE EXAMINATION

MATHEMATICS P2

GRADE 12

2015

SPECIAL ANSWER BOOK

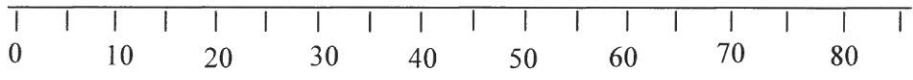
QUESTION	MARK	INITIAL	MOD.	INITIAL	MOD.	INITIAL
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
TOTAL						

This answer book consists of 18 pages.

QUESTION 1

1.1

3	4	4	5	23	29	32	36	40	47	56	66	68	76	82
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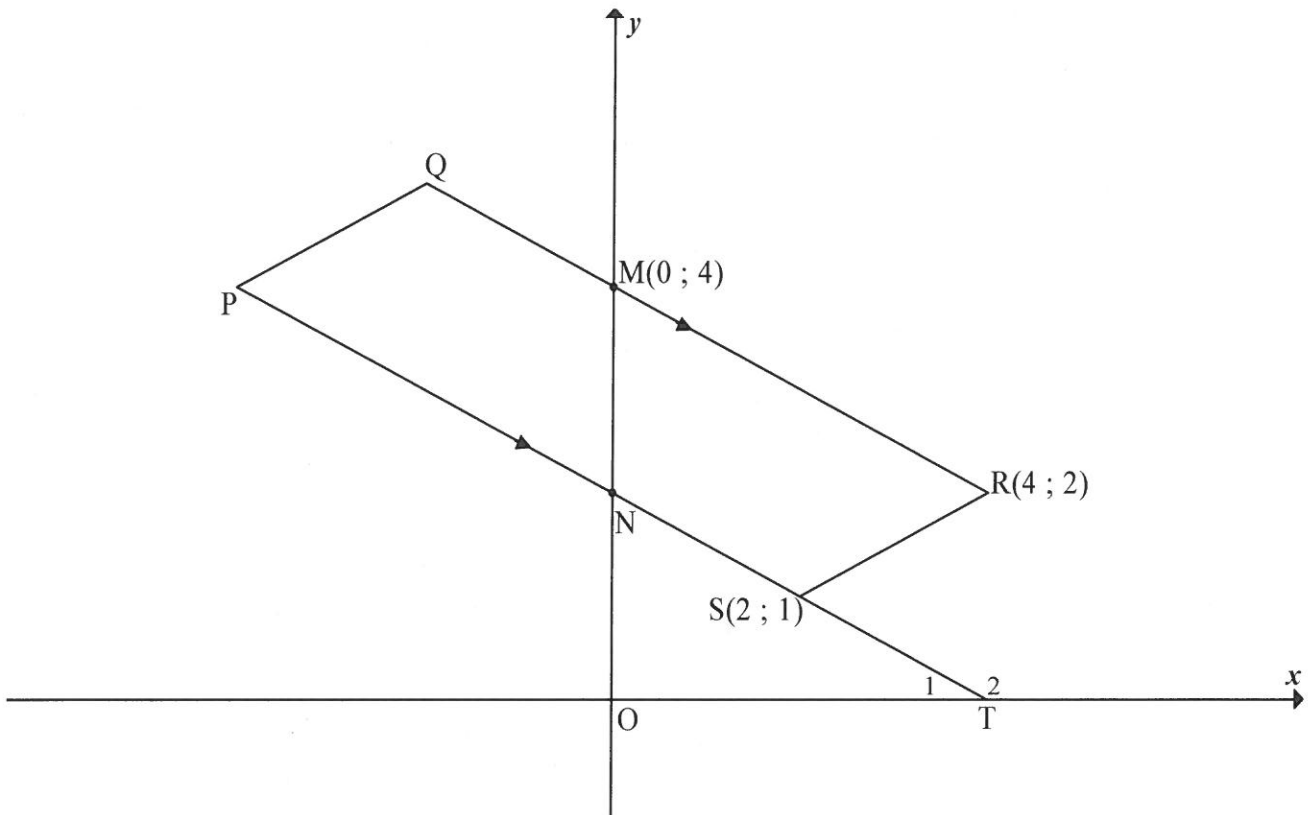
	Solution	Marks
1.1.1		(2)
1.1.2		(1)
1.1.3		(3)
1.1.4		(2)
1.2		(3)
1.3		(1)
		[12]

QUESTION 2

Number of Saturdays attended	12	11	10	10	9	9	7	6	5	4	12	11	6
Mark (as a %)	96	91	78	83	75	62	70	68	56	34	88	90	59

	Solution	Marks
2.1		(3)
2.2		(2)
2.3		(1)
2.4		(2)
		[8]

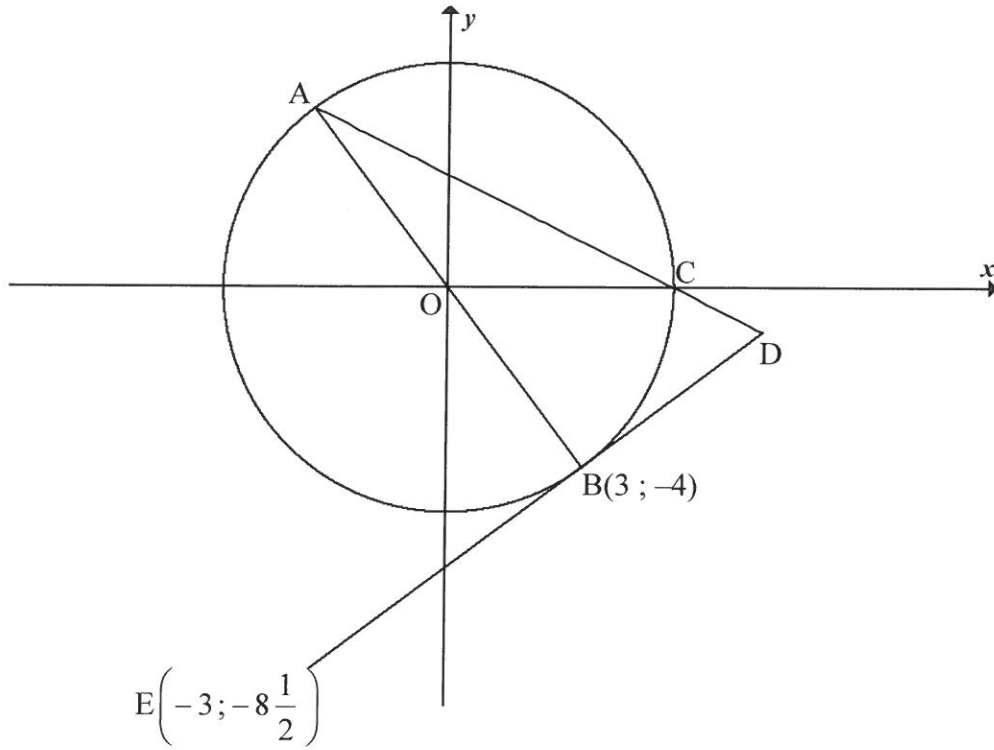
QUESTION 3



	Solution	Marks
3.1		(2)
3.2		(4)

	Solution	Marks
3.3		(4)
3.4		(1)
3.5		(5) [16]

QUESTION 4



	Solution	Marks
4.1		(2)
4.2		(3)
4.3		(2)
4.4		(3)

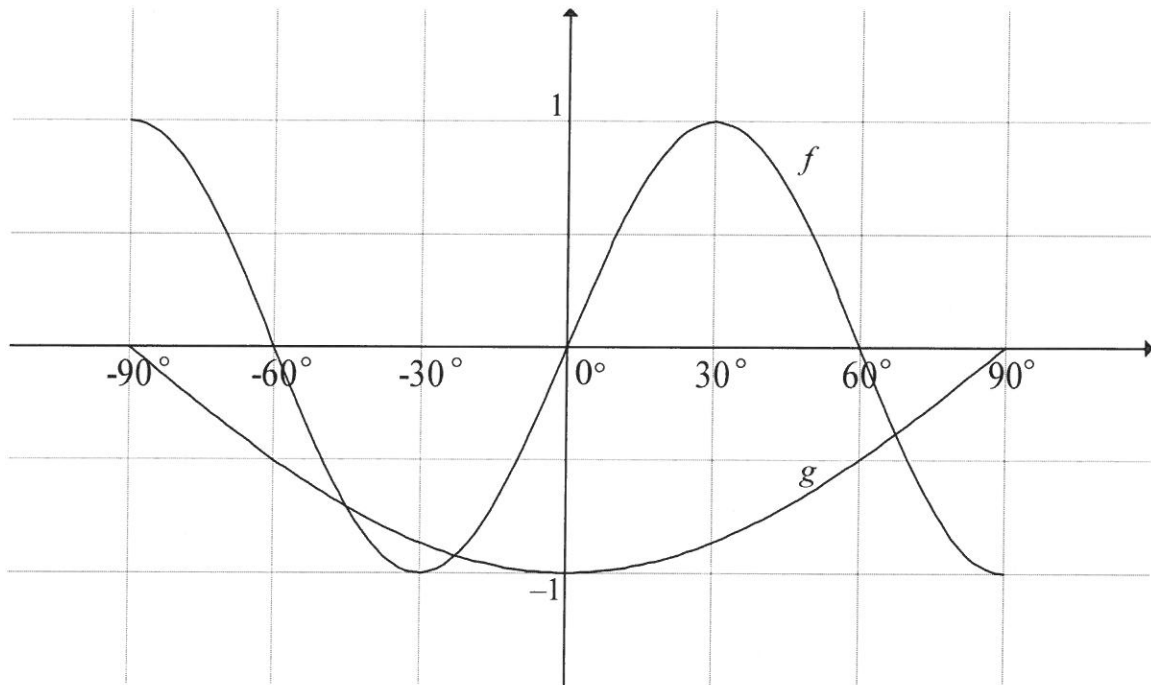
	Solution	Marks
4.5		(3)
4.6		(6) [19]

QUESTION 5

	Solution	Marks
5.1		(5)
5.2		(6)
5.3.1		(1)
5.3.2		(4)

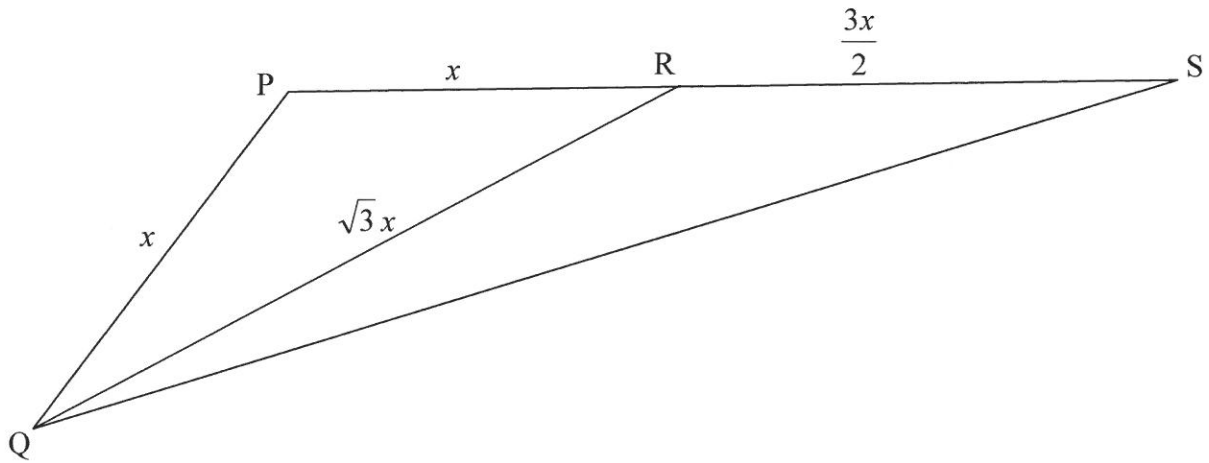
	Solution	Marks
5.4.1		(5)
5.4.2		(2)
5.5		(6) [29]

QUESTION 6



	Solution	Marks
6.1		(1)
6.2		(1)
6.3		(3)
6.4		(4)
		[9]

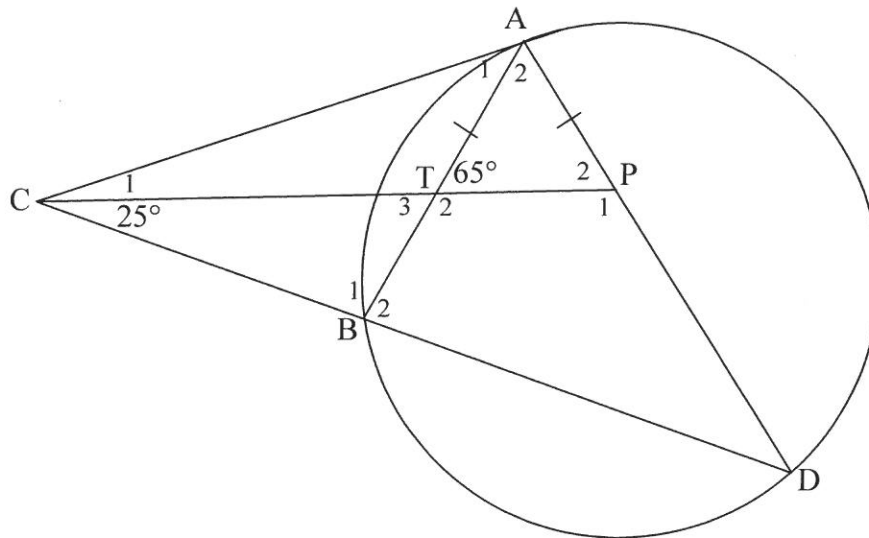
QUESTION 7



	Solution	Marks
7.1		(4)
7.2		(5) [9]

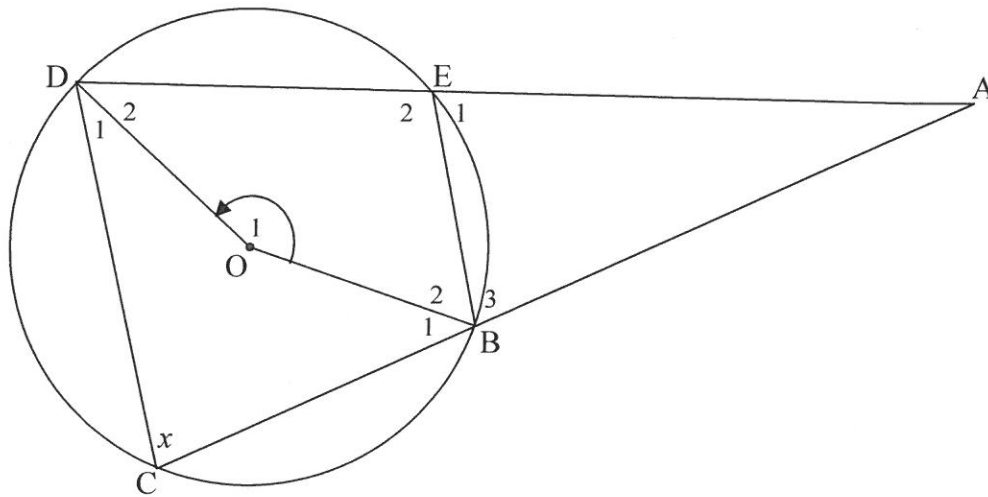
Give reasons for ALL the statements in QUESTIONS 8, 9, 10 and 11.

QUESTION 8



	Solution	Marks
8.1.1		(2)
8.1.2		(2)
8.1.3		(2)
8.2		(2)
		[8]

QUESTION 9



9.1 Complete the following table by writing down the reason for each statement.

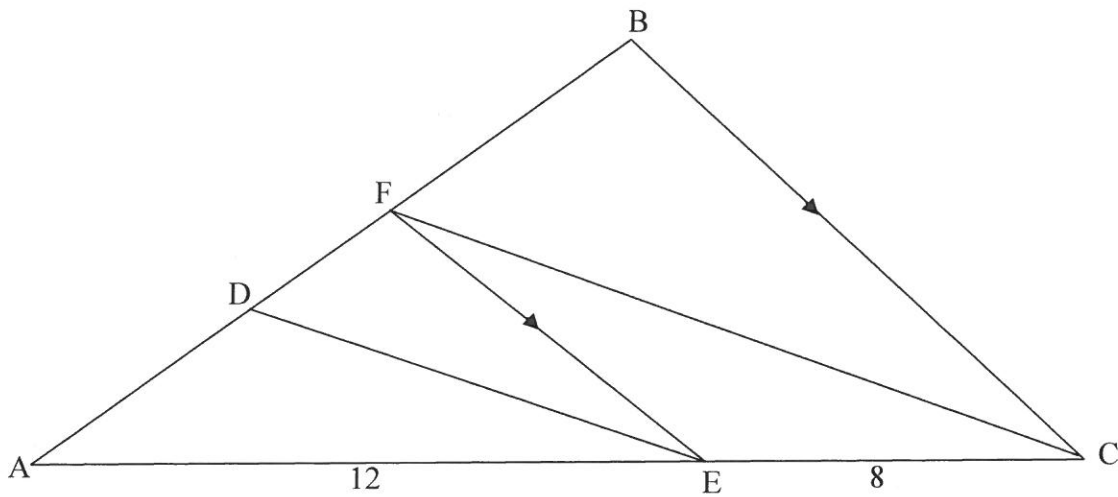
	Statement	Reason	Marks
9.1.1	$\hat{E}_1 = x$		(1)
9.1.2	$\hat{O}_1 = 2x$		(1)

	Solution	Marks
9.2.1		(4)
9.2.2		(3) [9]

QUESTION 10

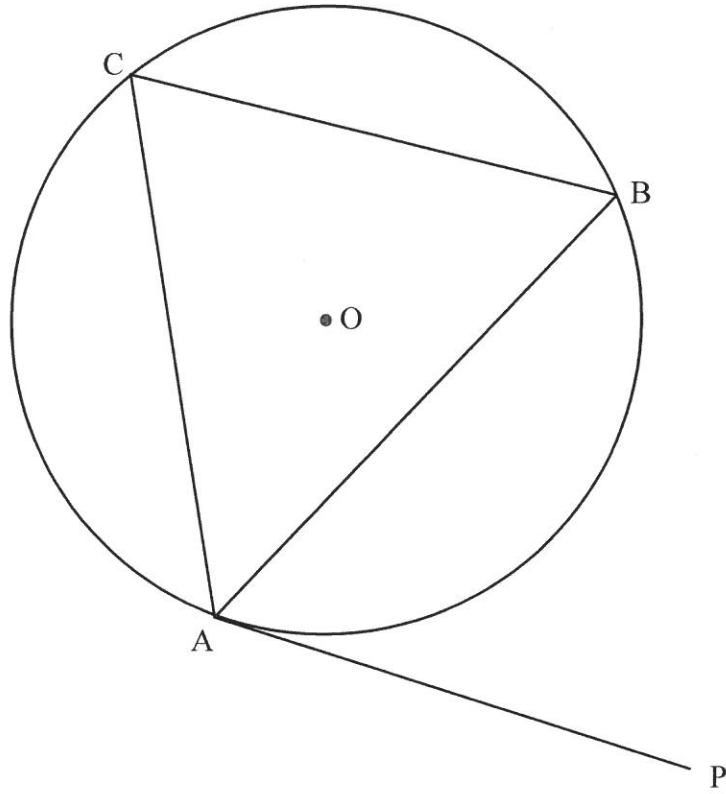
	Solution	Marks
10.1	<i>If a line divides two sides of a triangle in the same proportion, then ...</i>	(1)

10.2



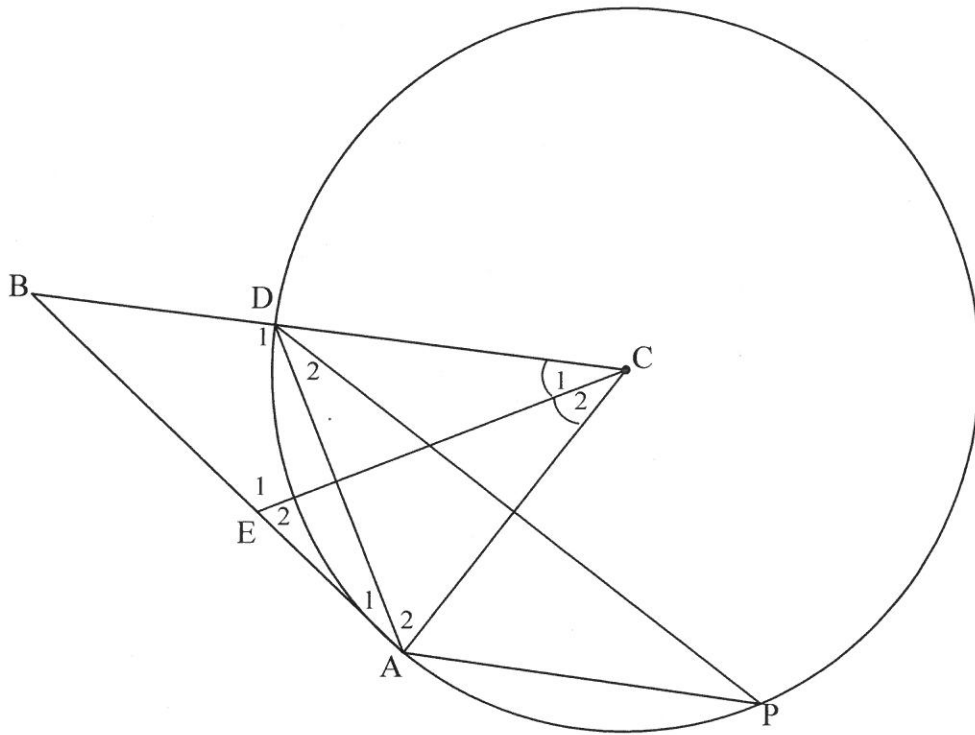
	Solution	Marks
10.2.1		(3)
10.2.2		(3)
		[7]

QUESTION 11



	Solution	Marks
11.1		(6)

11.2



	Solution	Marks
11.2.1		

(7)

	Solution	Marks
11.2.2(a)		(5)
11.2.2(b)		(3)
11.2.2(c)		(3)
		(3) [24]

TOTAL: 150

ADDITIONAL ANSWERS

	Solution	Marks