#### **LEARNER NAME**

# NATIONAL SENIOR CERTIFICATE MATHEMATICS P2 GRADE 11

**NOVEMBER 2014** 

# SPECIAL ANSWER BOOK

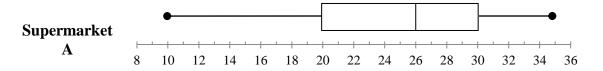
QUESTION	MARK	INITIAL	MOD.
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
TOTAL			

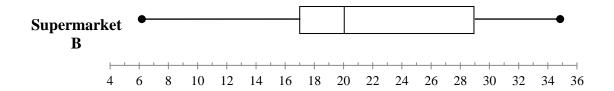
This answer book consists of 24 pages.



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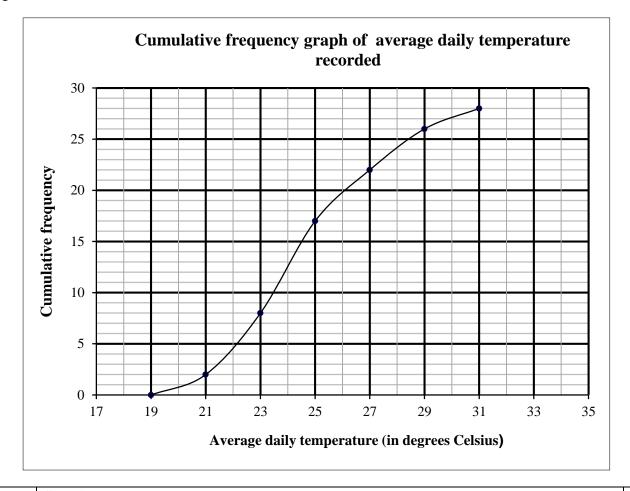
Please turn over



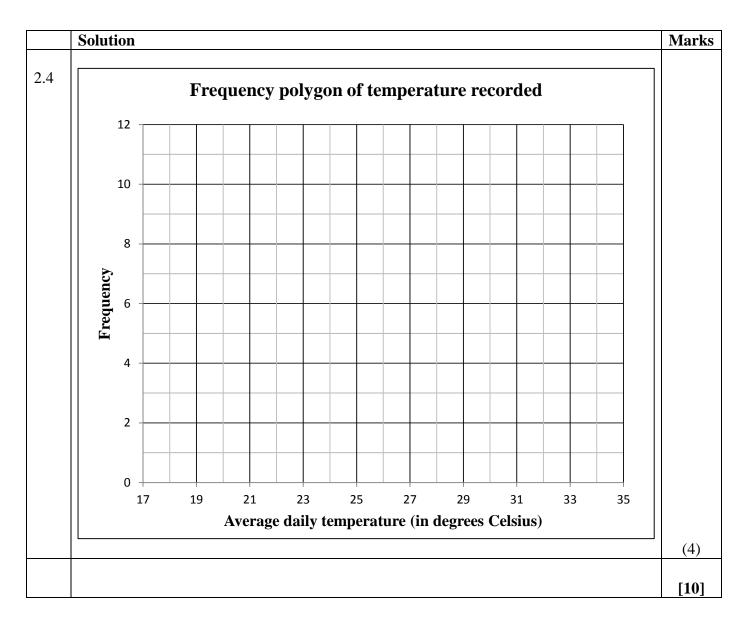


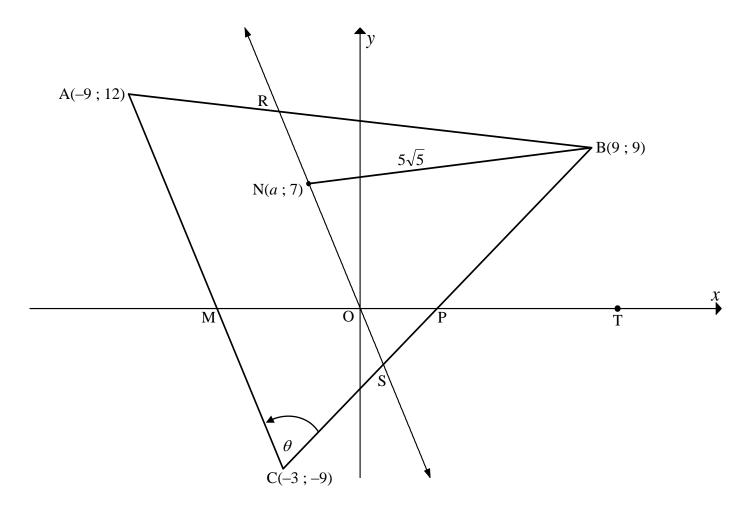
	Solution	Marks
1.1.1		
1.1.1		
		(2)
		(2)
1.1.2		
		(1)
		. ,
1.1.3		
		(2)
1.1.4		
1.1.1		
		(2)

	Solution	Marks
1.0		
1.2		
		(3)
		[10]
		[10]



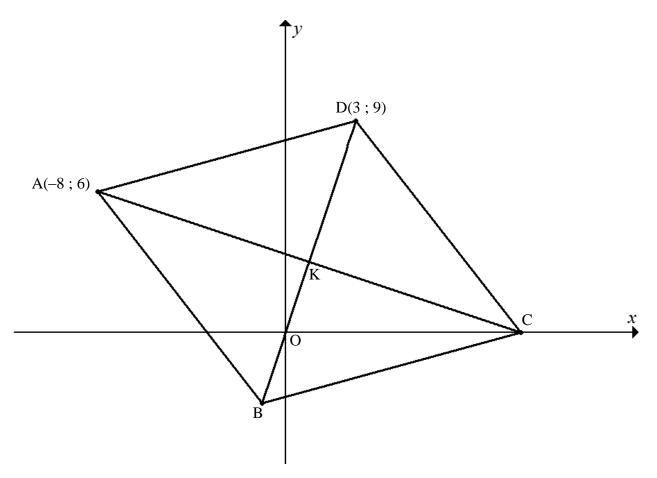
	Solution		Marks
2.1			(1)
2.2			
			(2)
2.3	Temperature, T, in degrees Celsius	Frequency	
	$19 \le T < 21$		
	$21 \le T < 23$		
	$23 \le T < 25$		
	$25 \le T < 27$		
	$27 \le T < 29$		
	$29 \le T < 31$		
			(3)





	Solution	Marks
3.1		
		(2)
3.2		
		(2)

	Solution	Marks
3.3		
		(4)
3.4		
		(5)
		[13]



	Solution	Marks
4.1		
		(2)
		(3)

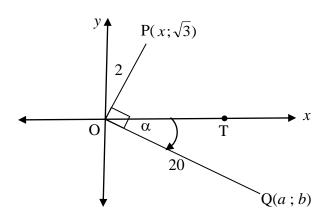
	Solution	Marks
4.2		
		(4)
4.3		
		(2)
		(3)

	Solution	Marks
4.4		
		(2)
15		(2)
4.5		
		(5)
		[17]

	Solution	Marks
5.1.1		
3.1.1		_
		-
		1
		(2)
5.1.2		
		-
		-
		(3)
5.2		-
		-
		-
		-
		-
		(6)
		(0)

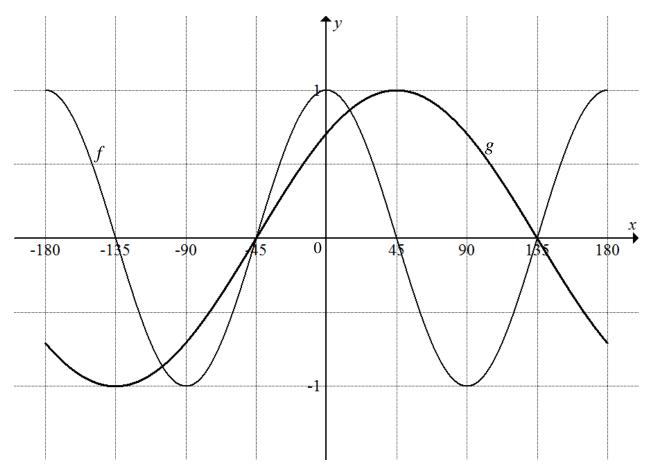
	Solution	Marks
5.3.1		
		(5)
5.3.2		
		(2)
5.4		(2)
J. <del>4</del>		
		(5)





	Solution	Marks
5.5.1		
		-
		-
		-
		-
		(2)
5.5.2		
		-
		-
		-
		-
		-
		(3)

	Solution	Marks
5.5.3		
3.3.3		-
		_
		-
		_
		1
		_
		-
		(5)
		[33]
	1	



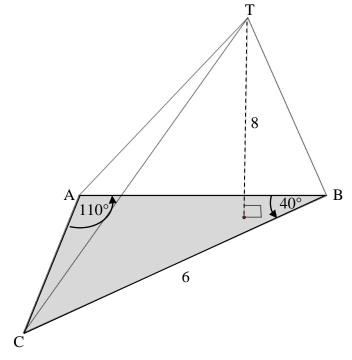
	Solution	Marks
C 1		
6.1		
		(3)
6.2		(2)
6.3		
5.5		
		(2)
6.4		
0.4		
		(2)
6.5		
0.5		
		(2)
		[11]

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# **QUESTION 7**

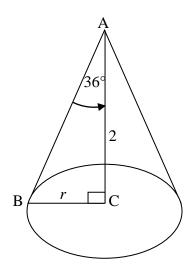
7.1



	Solution	Marks
711		
7.1.1		
		(3)
7.1.2		
7.1.2		
		(2)
7.1.3		
,,,,,,		
		(2)
		(3)

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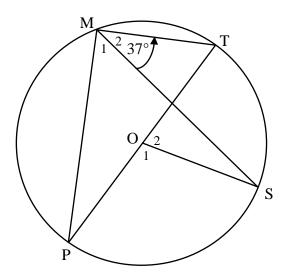


Solution	Marks
	(6)
	[14]

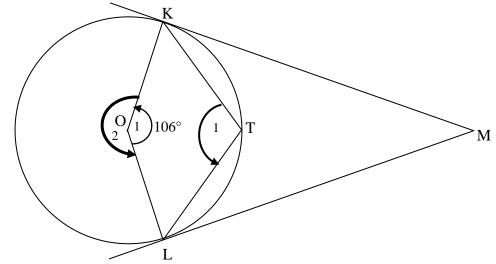


# GIVE REASONS FOR YOUR STATEMENTS AND CALCULATIONS IN QUESTIONS 8, 9 AND 10.

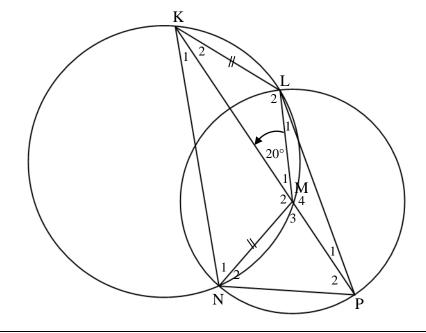
#### **QUESTION 8**



	Solution	Marks
8.1.1		
		(2)
8.1.2		
		(2)

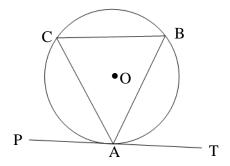


	Solution	Marks
0.0.1		
8.2.1		
		(3)
8.2.2		
		(2)
		(3)
8.2.3		
		(3)
8.2.4		
		(2)
		[15]

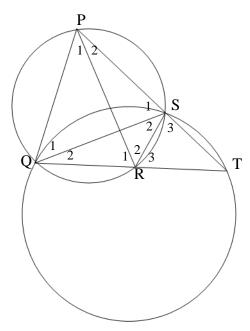


	Solution	Marks
9.1		
		(2)
9.2		
		(1)
9.3		
		(2)

	Solution	Marks
9.4.1		
		-
		-
		-
		-
		-
		(4)
9.4.2		
		-
		-
		-
		-
		-
		-
		-
		(3)
		[12]



	Solution	Marks
10.1		_
		1
		-
		_
		1
		-
		-
		-
		(6)
		(0)



	Solution	Marks
10.2.1(a)		
		(1)
10.2.1(b)		
		(1)
10.2.2		
		(4)

	Solution	Marks
10.2.3		
10.2.3		
		(3)
		F4 <b>F</b> 3
		[15]
	TOTAL:	150



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