EXAMINATION NUMBER:/ EKSAMENNOMMER: CENTRE NUMBER:/ SENTRUMNOMMER:

NATIONAL SENIOR CERTIFICATE/ NASIONALE SENIOR SERTIFIKAAT

MATHEMATICS P2/WISKUNDE V2

GRADE/GRAAD 12

NOVEMBER 2015

SPECIAL ANSWER BOOK/ SPESIALE ANTWOORDEBOEK

QUESTION/ VRAAG	MARK/ PUNT	INITIAL/ PARAAF	MOD.	REMARK/ PUNT	INITIAL/ PARAAF
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
TOTAL/ TOTAAL (150)					

This answer book consists of 25 pages./ Hierdie antwoordeboek bestaan uit 25 bladsye.

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QUESTION/VRAAG1

Fat/Vet (in g)	9	14	25	8	12	31	28	14	29	20
Energy <i>/Energie</i> (in kJ)	1 100	1 300	2 100	300	1 200	2 400	2 200	1 400	2 600	1 600

	Solution/Oplossing	Marks Punte
1 nd/ 1	Scatter plot/Spreidiagram	1.1
2.2	Seatter prouspretatingram	
	2800 2700	
	2600	
	2500	
	2400	
	2300	
	2200	
	2000	
	1400	
	1300	
	1900 1800 1800 1700 1700 1700 1500 1500 1400 1300 1200 1100	
	900	
	800	
	700	(3)
	600	(3)
	400	
	300	1.2.2
	200	
	0 5 10 15 20 25 30 35	
	Fat/Vet (in g)	
		(2)

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	Solution/Oplossing	Marks/ Punte
1.2.1		
		(2)
1.3		(2)
		(1)
.4		
		())
.5		(2)
		(1)
		(1)

Additional space/Bykomende ruimte	Marks/ Punte

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QUESTION/VRAAG 2

Sum of values on uppermost faces/ Som van waardes op boonste vlakke	Frequency/ Frekwensie
2	0
3	3
4	2
5	4
6	4
7	8
8	3
9	2
10	2
11	1
12	1

	Solution/Oplossing	Marks/ Punte
2.1		
2.2		(2)
2.3		(2)
		(2)

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2.4	
2.7	
	(3)
· · · · · · · · · · · · · · · · · · ·	
	[9]

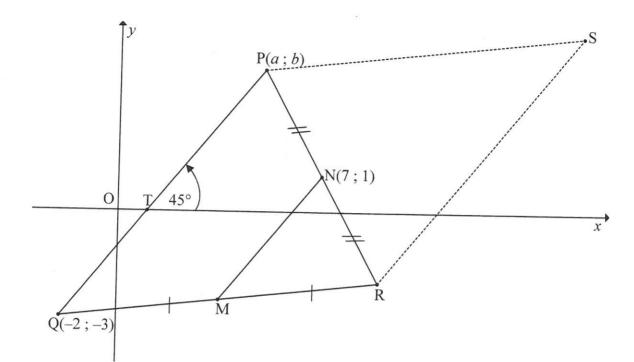
14	Additional space/Bykomende ruimte	Marks/ Punte

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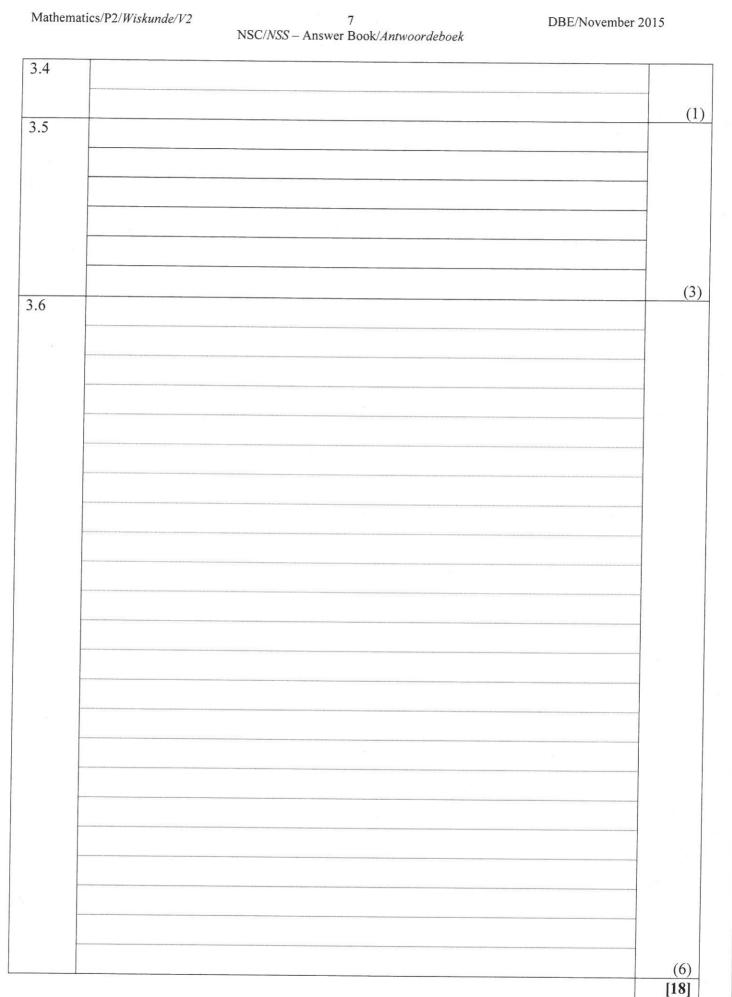
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QUESTION/VRAAG 3



	Solution/Oplossing	Marks Punte
3.1		Punie
.2		(2)
.2		
-		(4)
3		
		(2)

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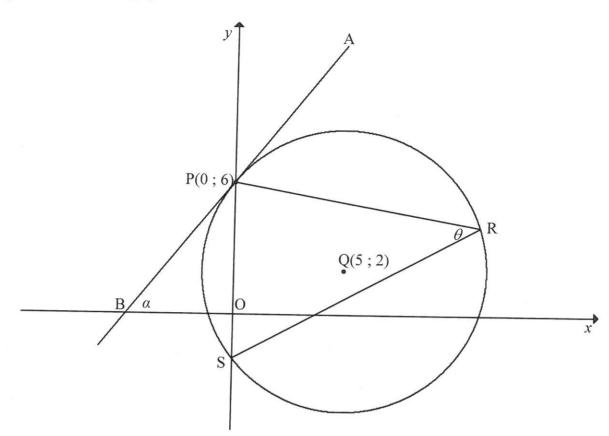
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QUESTION/VRAAG 4



	Solution/Oplossing	Marks/
4.1		Punte
4.2		(3)
4.2		
		-
		(3)

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<	Solution/Oplossing	Marks/ Punte
4.3		
5		
4.4		(4)
4.5		(2)
4.5		
		(4)

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4.6	
4.0	
	(4)
	(4)

_	(')
	[20]

 Additional space/Bykomende ruimte	Marks/ Punte
	-
	-

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QUESTION/VRAAG 5

	Solution/Oplossing	Marks/ Punte
5.1.1		
		(2)
5.1.2		
		(3)
5.1.3		

		(2)
5.2		
		(6)

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	Solution/Oplossing	Marks/ Punte
5.3		runie
	· · · · · · · · · · · · · · · · · · ·	-
		-
i.e.m		(6)
1		
		1
-		
		(5) [24]

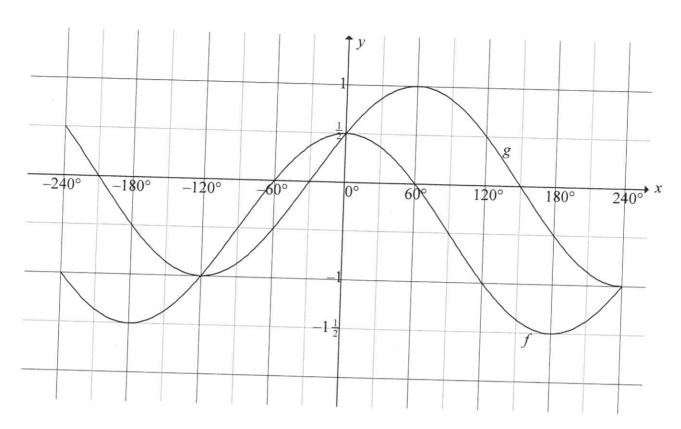
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QUESTION/VRAAG 6



	Solution/Oplossing	Marks/
6.1		Punte
6.2		(4)
6.3		(2)
0.5		(2)
		(2)
		[8]

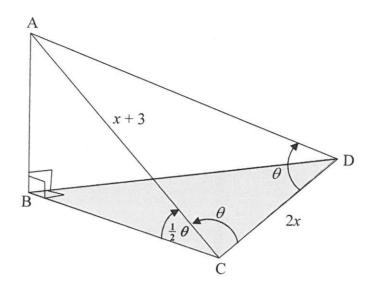
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QUESTION/VRAAG7



	Solution/Oplossing	Marks/ Punte
7.1		Funie
7.2		(1)
1.2		
		(4)

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	Solution/Oplossing	Marks/ Punte
7.3		
		(5)
		[10]

Additional space/Bykomende ruimte	Marks/ Punte

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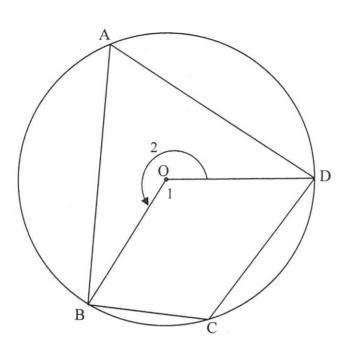
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Give reasons for ALL statements in QUESTIONS 8, 9, 10 and 11./ Gee redes vir ALLE bewerings in VRAAG 8, 9, 10 en 11.

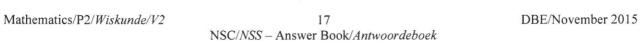
QUESTION/VRAAG 8

8.1

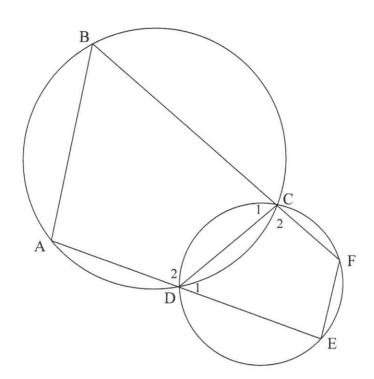


	Solution/Oplossing	Marks/ Punte
8.1.1		
		(1)
8.1.2		
		-
		(3)

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8.2



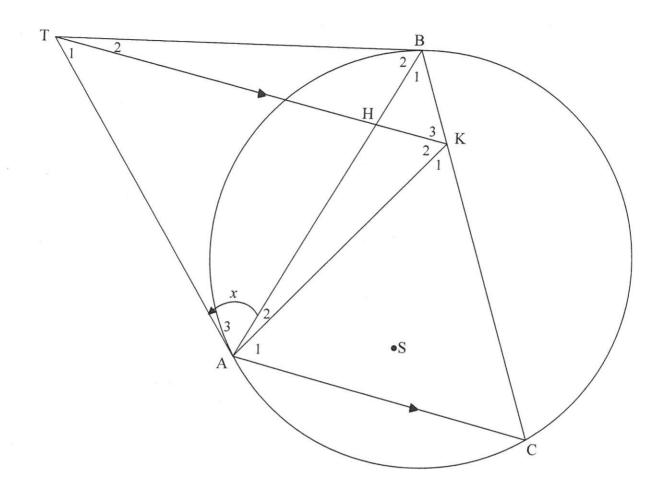
Solution/Oplossing	Marks/ Punte
	(5)
	[9]

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QUESTION/VRAAG9



	Solution/Oplossing	Marks/
9.1		Punte
9.2		(4)
		(2)

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	Solution/Oplossing	Marks/
9.3		Punte
9.4		(4)
		(2)
9.5		(2)
		(2) [14]

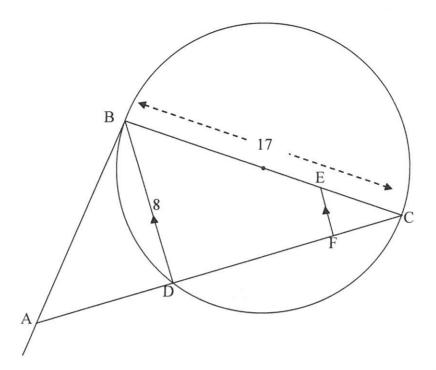
Additional space/Bykomende ruimte	Marks Punte

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QUESTION/VRAAG 10



	Solution/Oplossing	Marks/ Punte
10.1		
		-
10.0.1		(3)
10.2.1		
		(3)

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10.2.2	Solution/Oplossing	Mark
10.2.2		Punte
,		
.2.3		(5
	2	
.4		(4)
		(2) [17]

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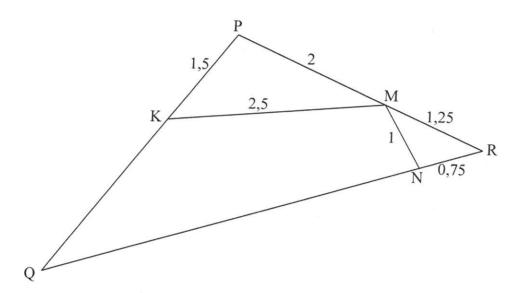
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QUESTION/VRAAG 11

	Solution/Oplossing	
11.1		Marks/ Punte
		(1)

11.2



	Solution/Oplossing	
	1	Marks
1.2.1		Punte
		1 unic
		1
		1
		1
		-
		(3)

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	Solution/Oplossing	Marks
.2.2		Punte
		743.
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-		
-		
		(6)
		[10]

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 Additional space/Bykomende ruimte	Marks Punte
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	1910/001/1910/001/1910/001/1910/001/1910/001/1910/001/1910/001/1910/001/1910/001/1910/001/1910/001/1910/001/19

TOTAL/TOTAAL: 150

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