

EXAMINATION NUMBER:/ <i>EKSAMENNOMMER:</i>														
CENTRE NUMBER:/ <i>SENTRUMNOMMER:</i>														

**NATIONAL SENIOR CERTIFICATE/
NASIONALE SENIOR SERTIFIKAAT**

MATHEMATICS P2/WISKUNDE V2

GRADE/GRAAD 12

NOVEMBER 2015

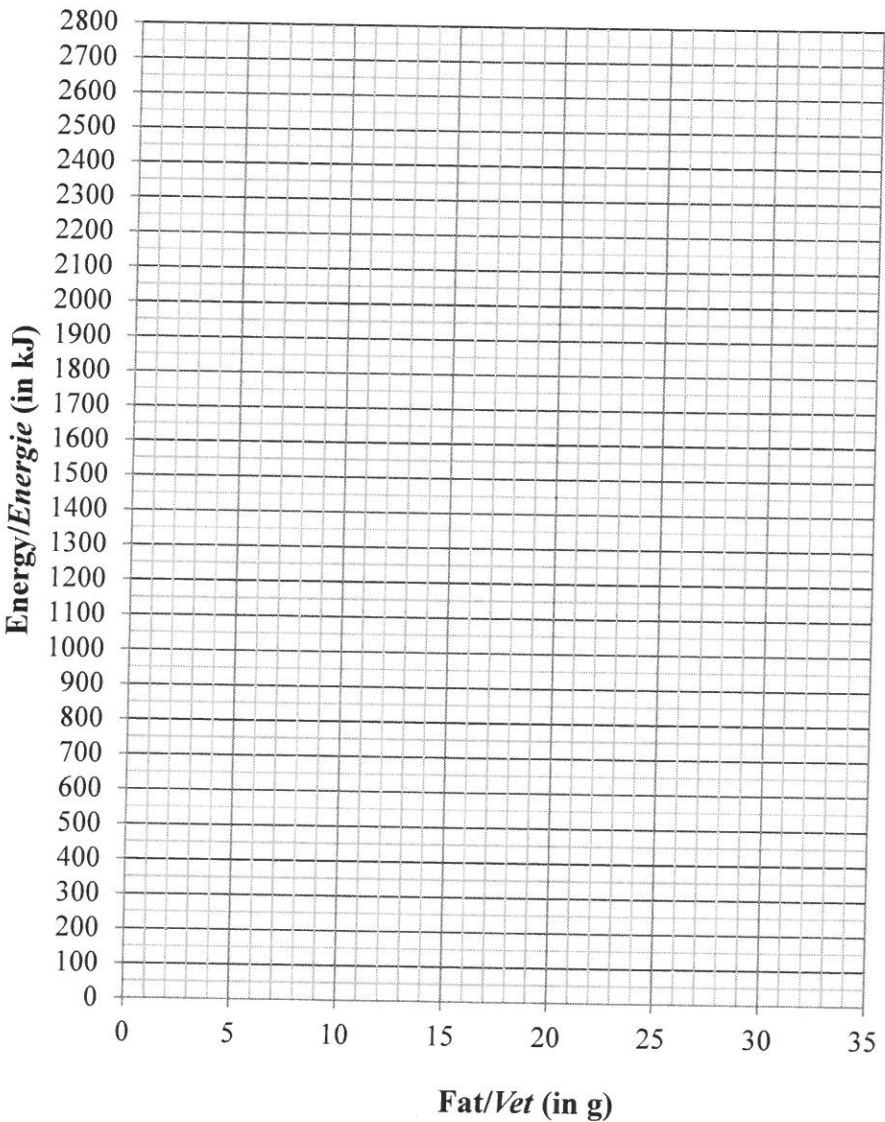
**SPECIAL ANSWER BOOK/
SPESIALE ANTWOORDEBOEK**

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.**

QUESTION/VRAAG 1

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

	Solution/Oplissing	Marks/Punte
1.1 and/ en 1.2.2	Scatter plot/Spreidiagram  Energy/Energie (in kJ) Fat/Vet (in g)	1.1 (3) 1.2.2 (2)

	Solution/Oplissing	Marks/ Punte
1.2.1		(2)
1.3		(1)
1.4		(2)
1.5		(1)
		[11]

	Additional space/Bykomende ruimte	Marks/ Punte

QUESTION/VRAAG 2

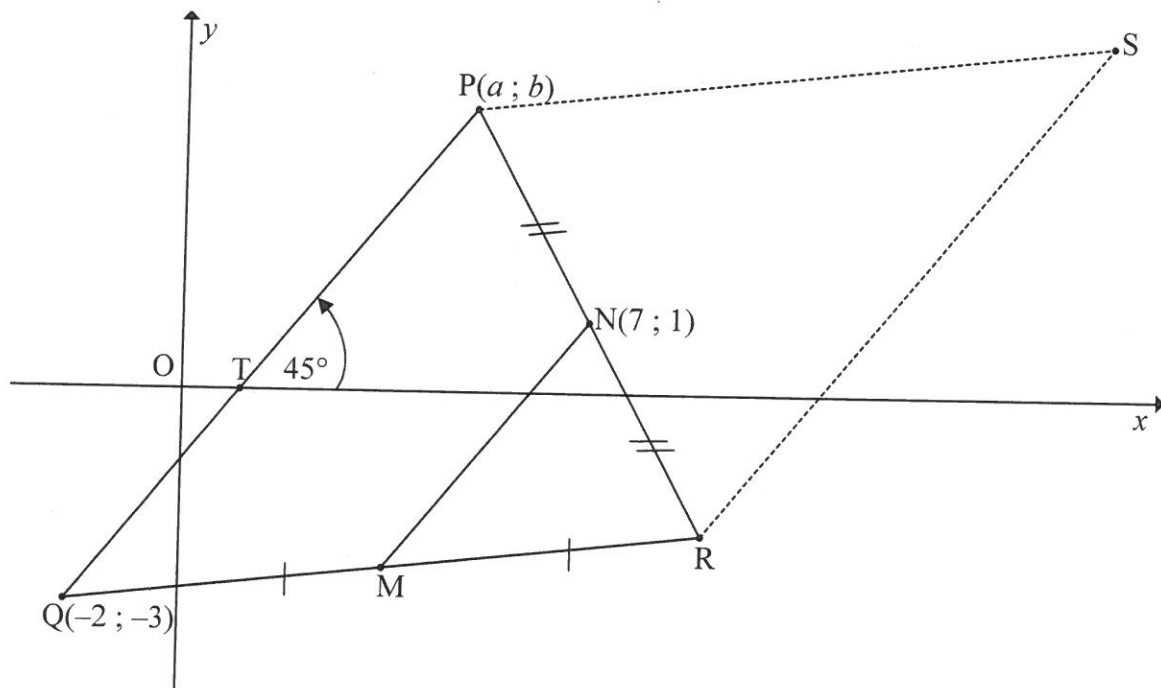
Sum of values on uppermost faces/ <i>Som van waardes op boonste vlakke</i>	Frequency/ <i>Frekwensie</i>
2	0
3	3
4	2
5	4
6	4
7	8
8	3
9	2
10	2
11	1
12	1

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

2.4		
		(3) [9]

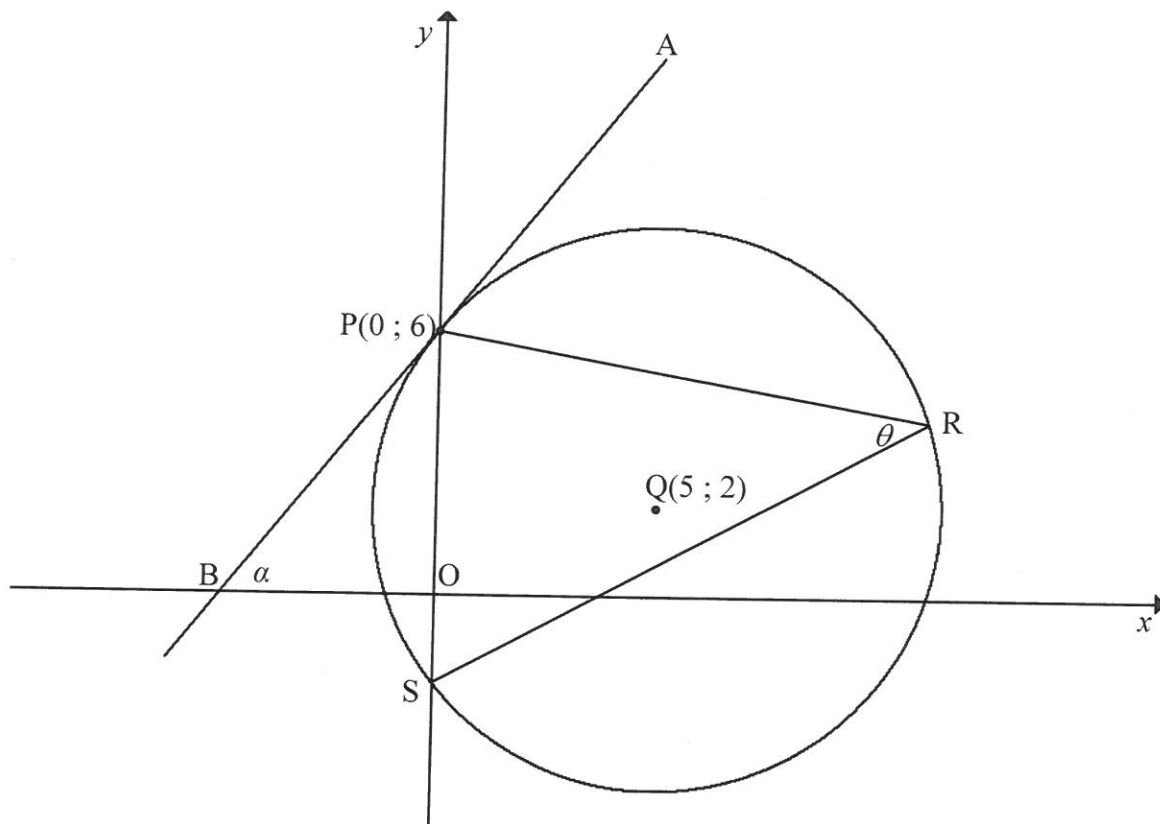
[illegible]

QUESTION/VRAAG 3



	Solution/Oplossing	Marks/ Punte
3.1		
3.2		(2)
3.3		(4)
		(2)

3.4		
3.5		(1)
3.6		(3)
		(6)
		[18]

QUESTION/VRAAG 4

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

	Solution/Oplissing	Marks/ Punte
4.3		(4)
4.4		(2)
4.5		(4)

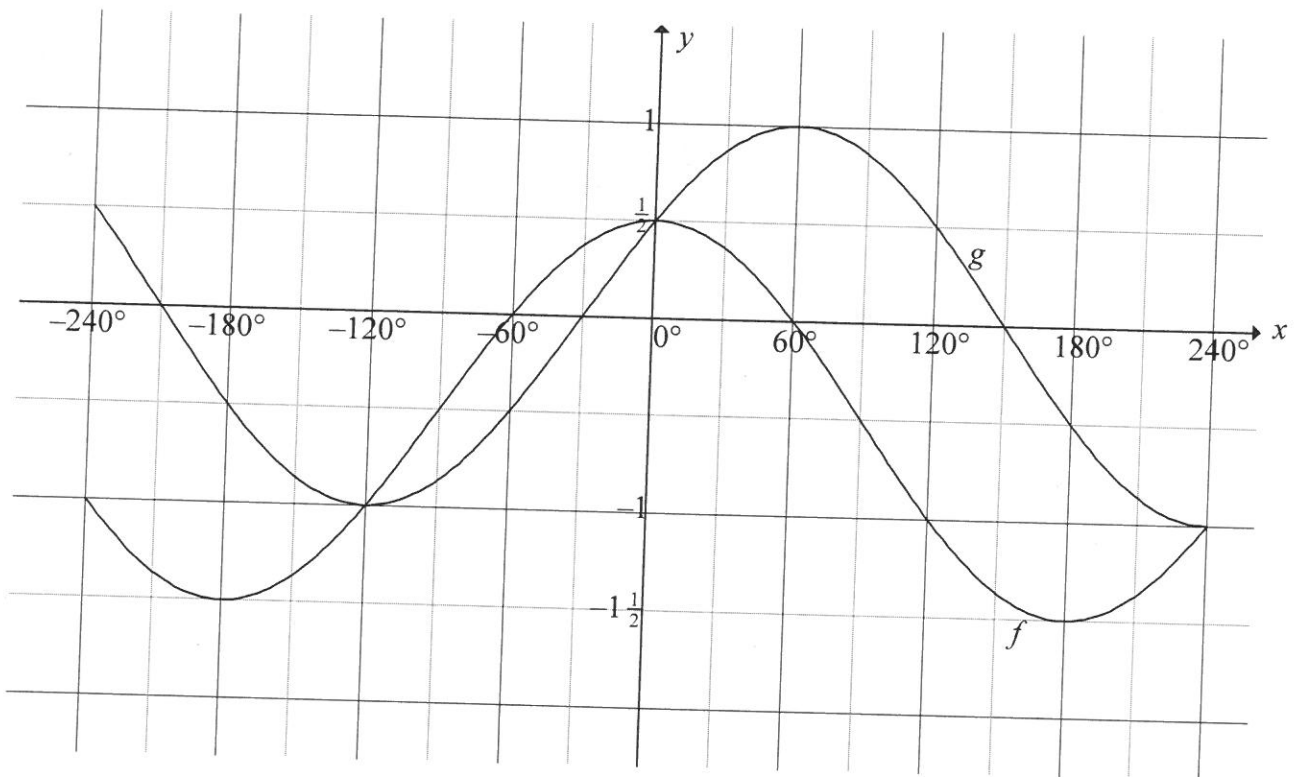
[illegible]

QUESTION/VRAAG 5

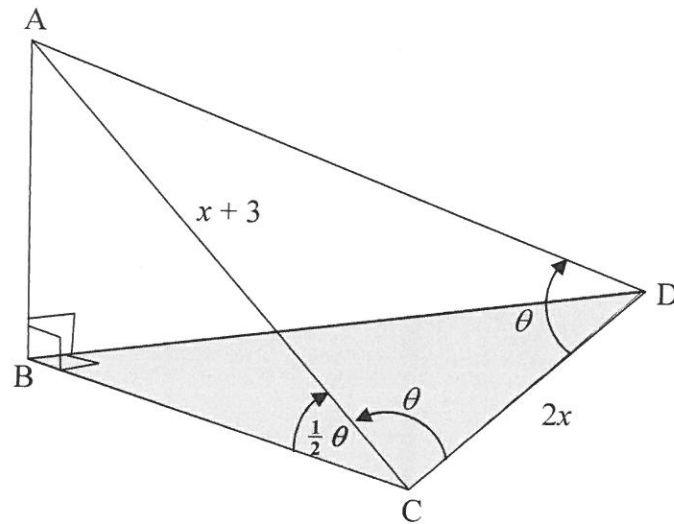
	Solution/Oplissing	Marks/ Punte
5.1.1		(2)
5.1.2		(3)
5.1.3		(2)
5.2		(6)

[illegible]

QUESTION/VRAAG 6



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

QUESTION/VRAAG 7

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

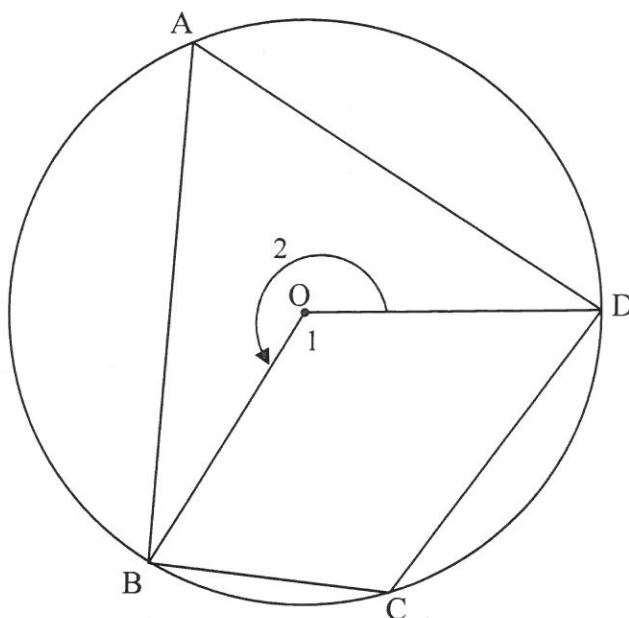
	Solution/Oplossing	Marks/ Punte
7.3		
		(5)
		[10]

	Additional space/Bykomende ruimte	Marks/ Punte

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

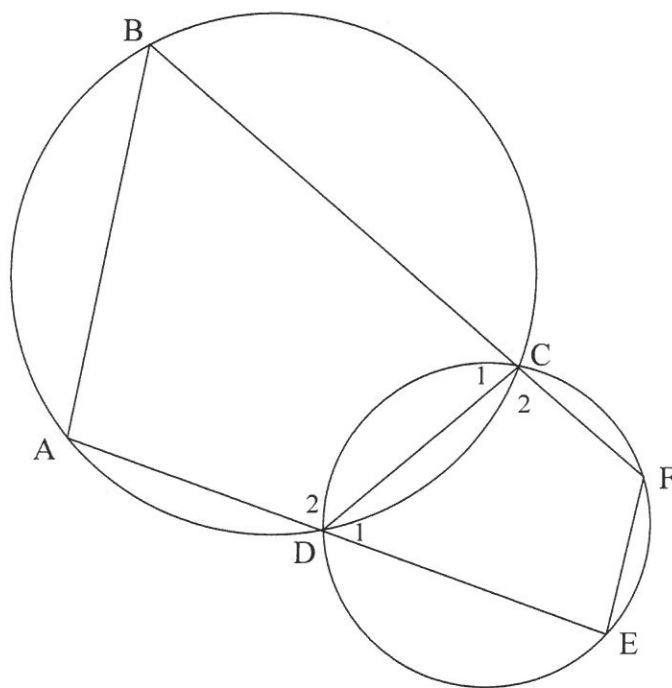
QUESTION/VRAAG 8

8.1

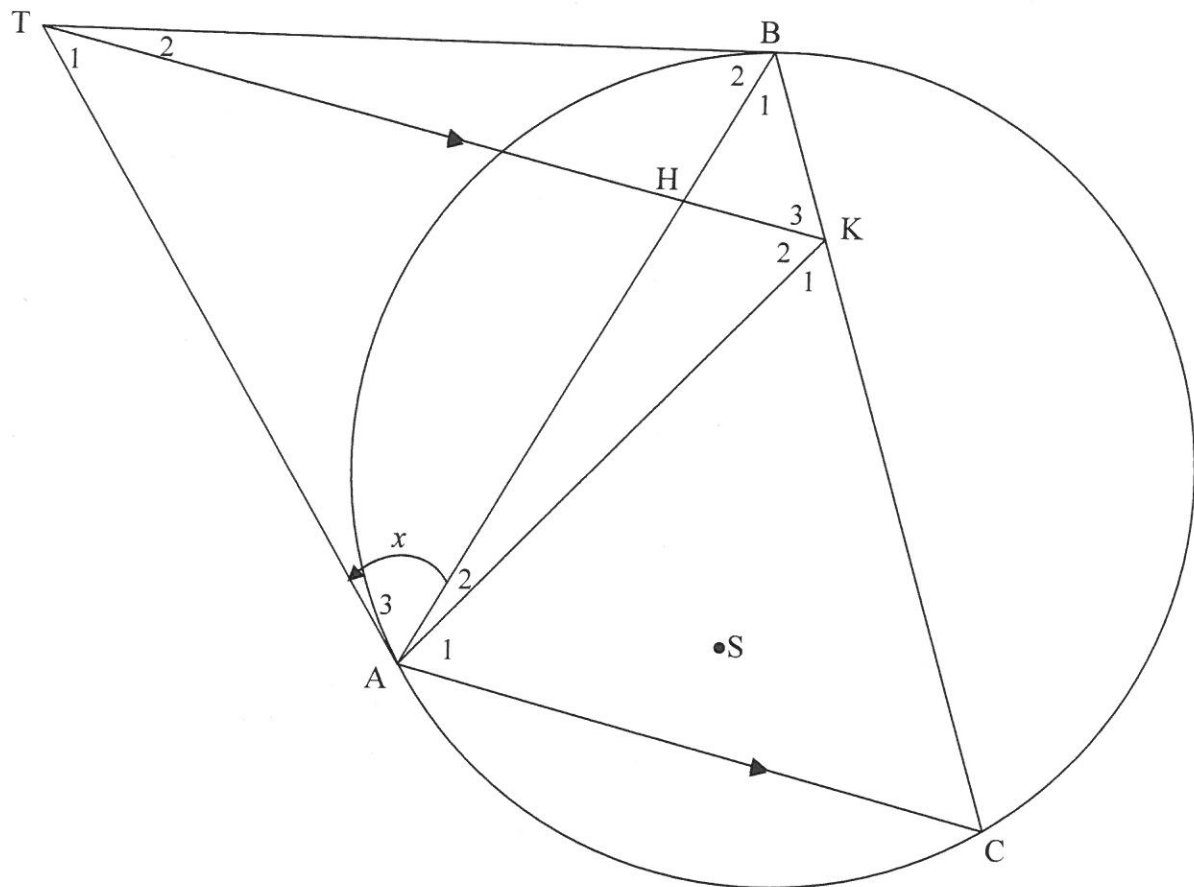


	Solution/Oplissing	Marks/ Punte
8.1.1		(1)
8.1.2		(3)

8.2



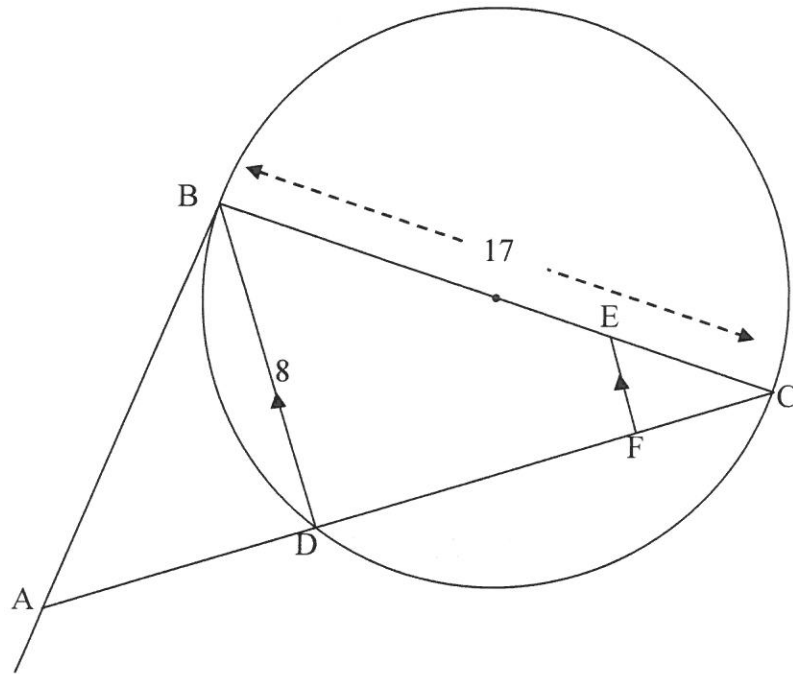
	Solution/Oplossing	Marks/ Punte
		(5)
		[9]

QUESTION/VRAAG 9

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

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

	Additional space/Bykomende ruimte	Marks/ Punte

QUESTION/VRAAG 10

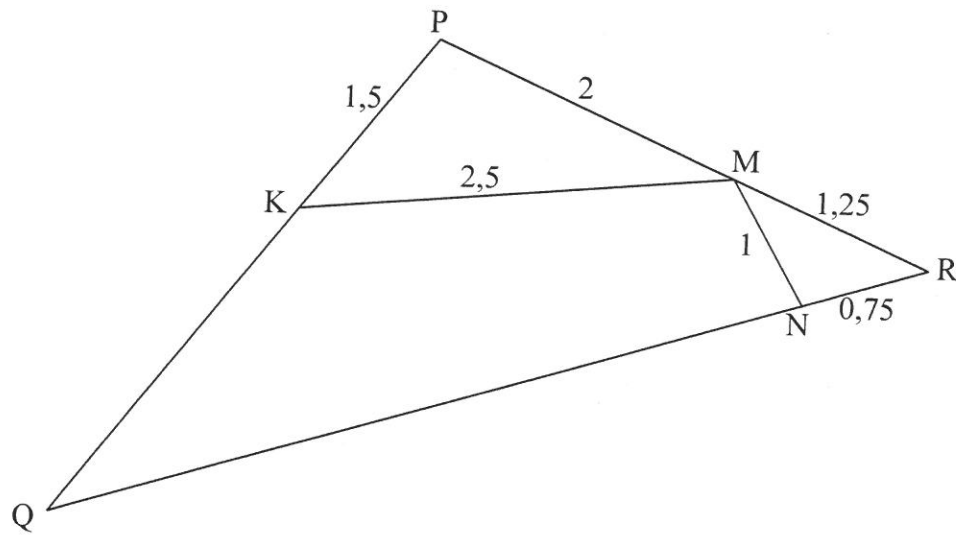
	Solution/Oplossing	Marks/ Punte
10.1		(3)
10.2.1		(3)

Please turn over/*Blaai om asseblief*

QUESTION/VRAAG 11

	Solution/Oplossing	Marks/ Punte
11.1		(1)

11.2



	Solution/Oplossing	Marks/ Punte
11.2.1		(3)

	Solution/Oplissing	Marks/ Punte
11.2.2		
		(6)
		[10]

	Additional space/Bykomende ruimte	Marks/ Punte

	Additional space/Bykomende ruimte	Marks/ Punte

TOTAL/TOTAAL: 150