

Department
Basic Education
REPUBLIC OF SOUTH AFRICA

National Senior Certificate Answer Book
Nasionale Senior Sertifikaat-antwoordeboek

Sequence No. on mark sheet
Volgnummer op puntestaat:

CENTRE NUMBER SENTRUMNOMMER							
--------------------------------	--	--	--	--	--	--	--

[illegible]

DATE DATUM	
---------------	--

BOOK NUMBER BOEKNOMMER	OF VAN	BOOKS BOEKE
---------------------------	-----------	----------------

SUBJECT CODE VAKKODE					
-------------------------	--	--	--	--	--

PAPER NUMBER VRAESTELNOMMER	2
--------------------------------	---

SUBJECT NAME VAKNAAM	MATHEMATICS/ <i>WISKUNDE</i>
-------------------------	------------------------------

[illegible]

**CONTROLLED AND CERTIFIED CORRECT
(SURNAME AND INITIALS OF EA)
GEKONTROLEER EN AS KORREK
GESERTIFISEER
(VAN EN VOORLETTERS VAN EA)**

READ INSTRUCTIONS ON NEXT PAGE.
LEES INSTRUKSIES OP VOLGENDE BLADSY.

This answer book consists of 28 pages./Hierdie antwoordeboek bestaan uit 28 bladsye.

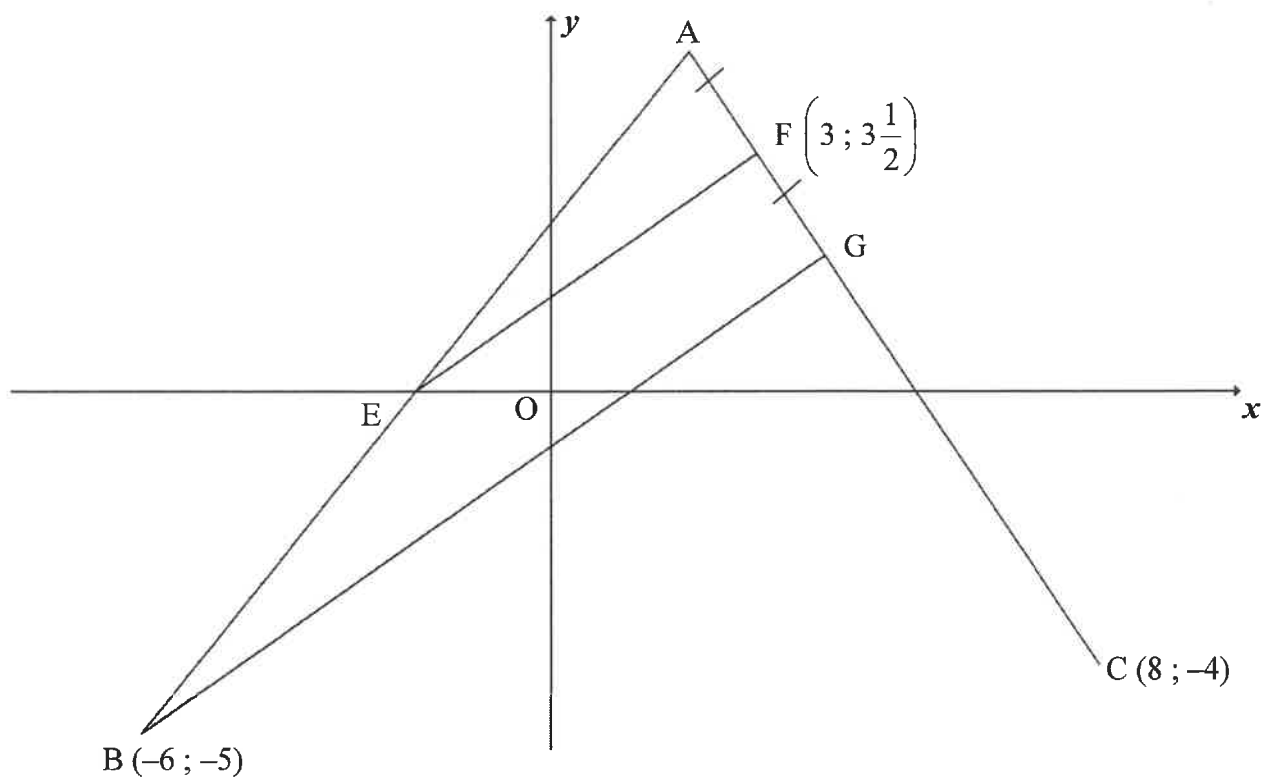
FOLLOW THESE INSTRUCTIONS CAREFULLY	VOLG HIERDIE INSTRUKSIES NOUKEURIG
1. Clearly write your examination number and centre number in the spaces provided and attach your barcode label in the space provided. 2. Remember that your own name (or the name of your school) may not appear anywhere on or in this answer book. 3. No pages may be torn from this answer book. 4. Read the instructions printed on your timetable carefully as well as any other instructions which may be given in each examination paper. 5. Candidates may not retain any answer book or remove them from the examination room. 6. Answers must be written in black/blue ink as distinctly as possible. 7. Draw a neat line through any work/rough work that must not be marked.	1. Skryf jou eksamennommer en sentrumnummer duidelik in die ruimtes soos verskaf en plak jou stafieskodeplakker in die ruimte soos verskaf. 2. Onthou dat jou eie naam (of die naam van jou skool) nie op of in hierdie antwoordeboek mag voorkom nie. 3. Geen bladsye mag uit hierdie antwoordeboek geskeur word nie. 4. Lees die instruksies wat op jou eksamenrooster gedruk is, sorgvuldig deur, asook enige ander instruksies wat in elke eksamenvraestel gegee word. 5. Geen antwoordeboek mag deur die kandidaat behou of uit die eksamenlokaal verwyder word nie. 6. Skryf die antwoorde so duidelik moontlik met swart/blou. 7. Trek 'n netjiese lyn deur enige werk/rofwerk wat nie nagesien moet word nie.

QUESTION/VRAAG 1

Time for 100 m sprint (in seconds) <i>Tyd vir 100 m-naelloop (in sekondes)</i>	10,1	10,2	10,5	10,9	11	11,1	11,2	11,5	12	12	12,2	12,5
Distance of best long jump (in metres) <i>Afstand van beste sprong in verspring (in meter)</i>	8	7,7	7,6	7,3	7,6	7,2	6,8	7	6,6	6,3	6,8	6,4

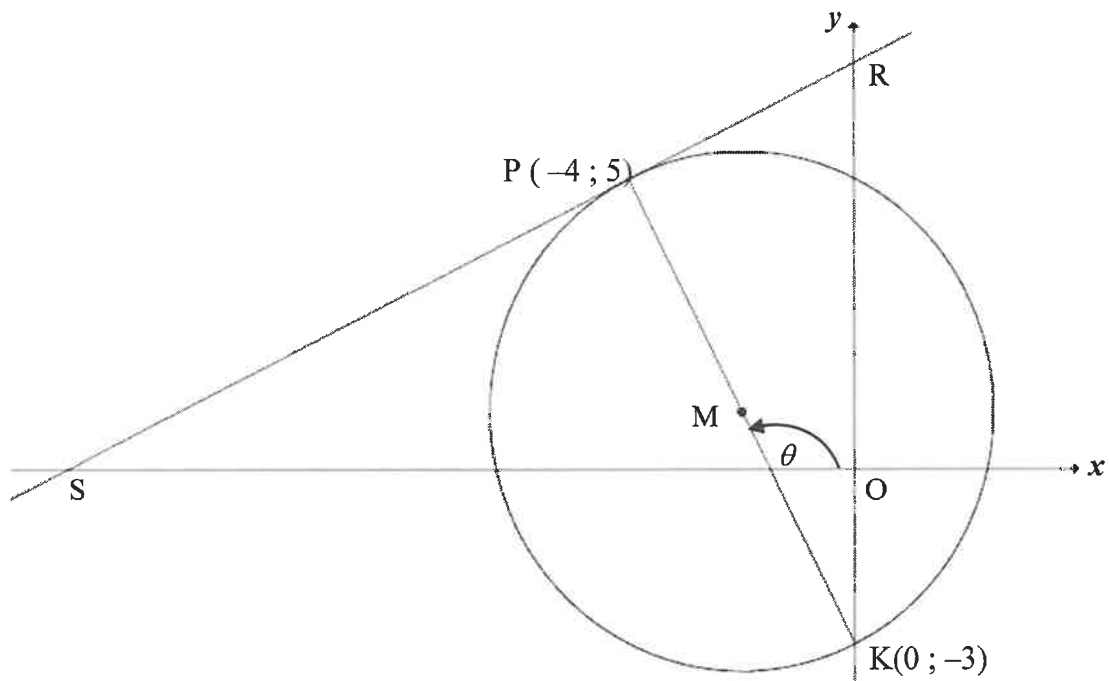
	Solution/Oplissing	Marks Punte
1.1		(3)
1.2		(2)
1.3		(2)
		[7]

	Solution/<i>Oplossing</i>	Marks <i>Punte</i>
2.4.1		(1)
2.4.2		(2)
		[13]

QUESTION/VRAAG 3

	Solution/Oplissing	Marks Punte
3.1.1		(4)
3.1.2		

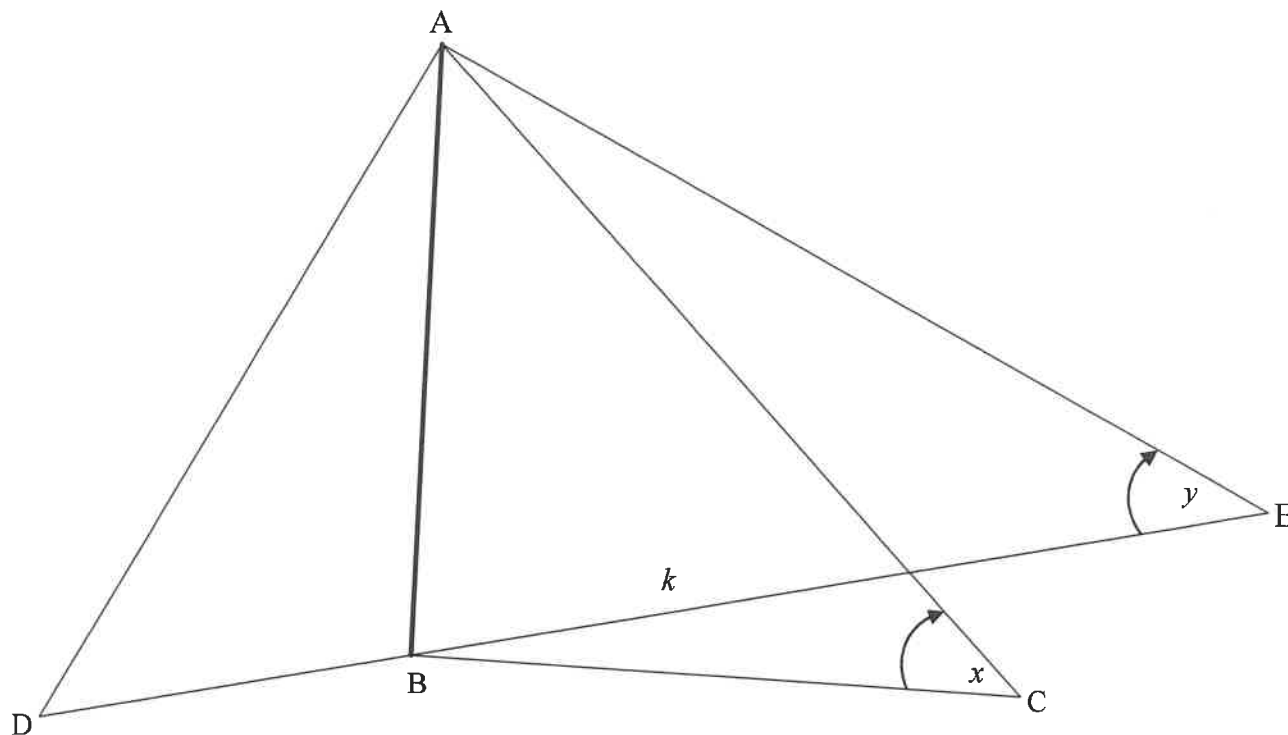
	Solution/Oplissing	Marks Punte
3.1.2 (cont./ vervolg)		
		(3)
3.2		
		(2)
3.3		
		(4)
3.4		
		(4)
		[17]

QUESTION/VRAAG 4

	Solution/Oplossing	Marks Punte
4.1.1		(4)
4.1.2		(2)

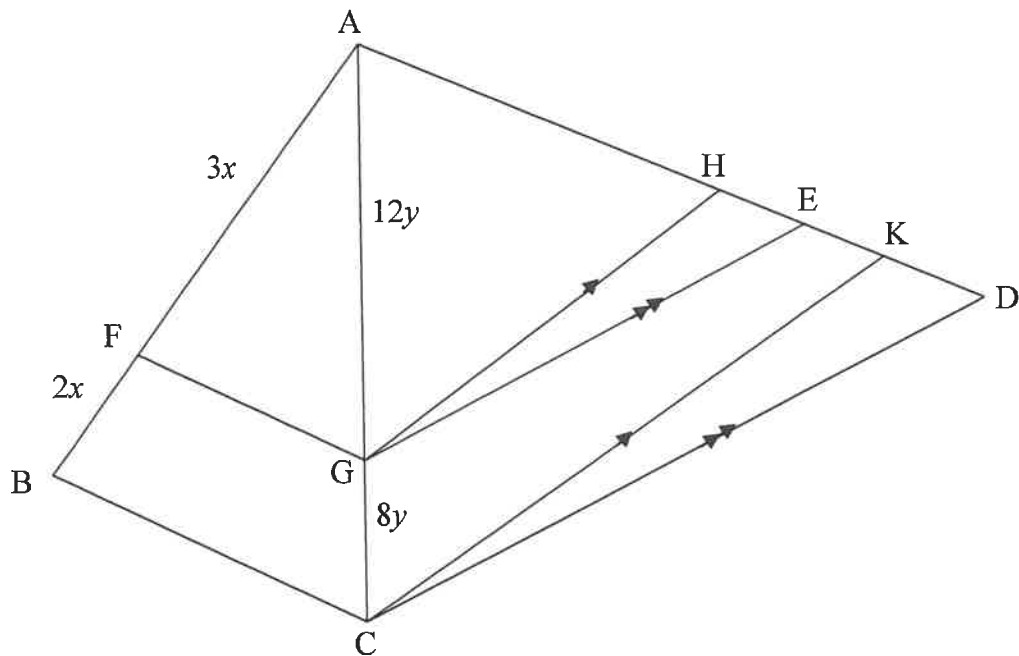
	Solution/<i>Oplossing</i>	Marks <i>Punte</i>
4.1.3		(4)
4.1.4		(3)
4.1.5		(2)
4.2		(3)

	Solution/<i>Oplossing</i>	Marks <i>Punte</i>
5.2.2		(1)
5.2.3		(4)
5.3.1		(2)
5.3.2		(4)
		[19]

QUESTION/VRAAG 7

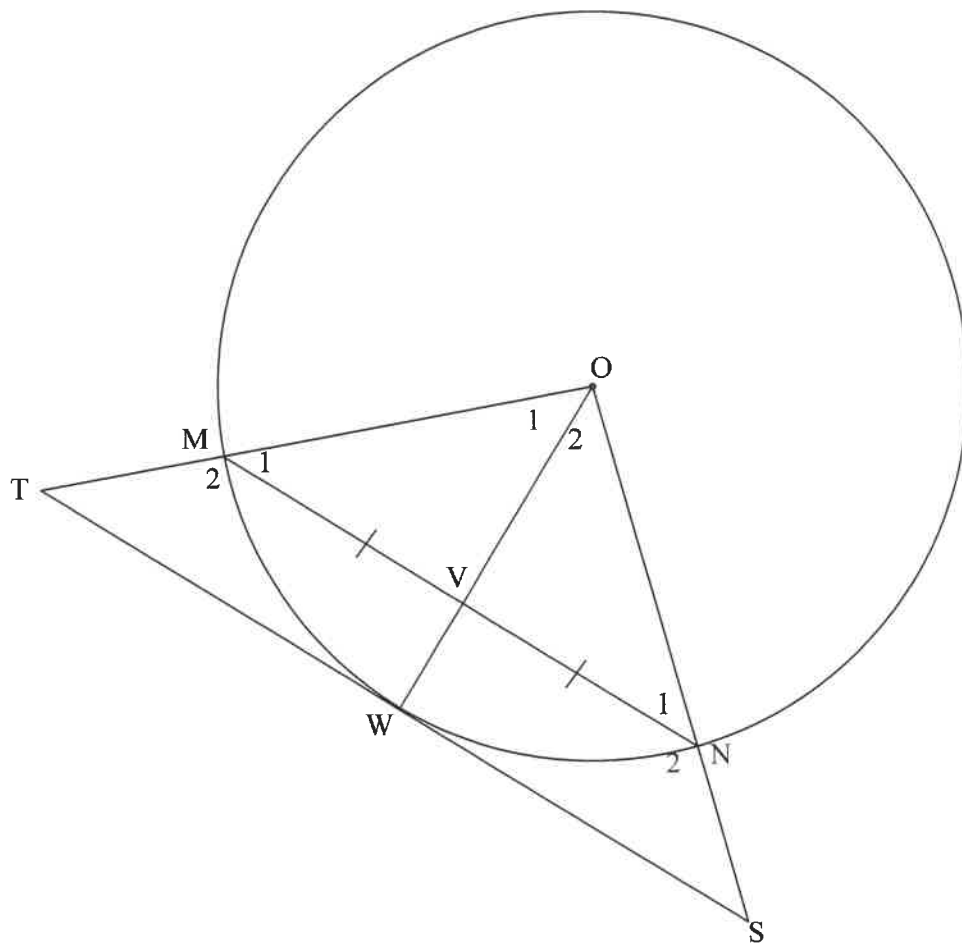
	Solution/Oplossing	Marks Punte
7.1		(1)
7.2		(4)

	Solution/<i>Oplossing</i>	Marks <i>Punte</i>
8.1.2		(2)
8.2		(2)
		[7]

QUESTION/VRAAG 9

	Solution/Oplossing	Marks Punte
9.1.1		(2)
9.1.2		(3)

	Solution/ <i>Oplossing</i>	Marks <i>Punte</i>
9.2		
		(5)
		[10]

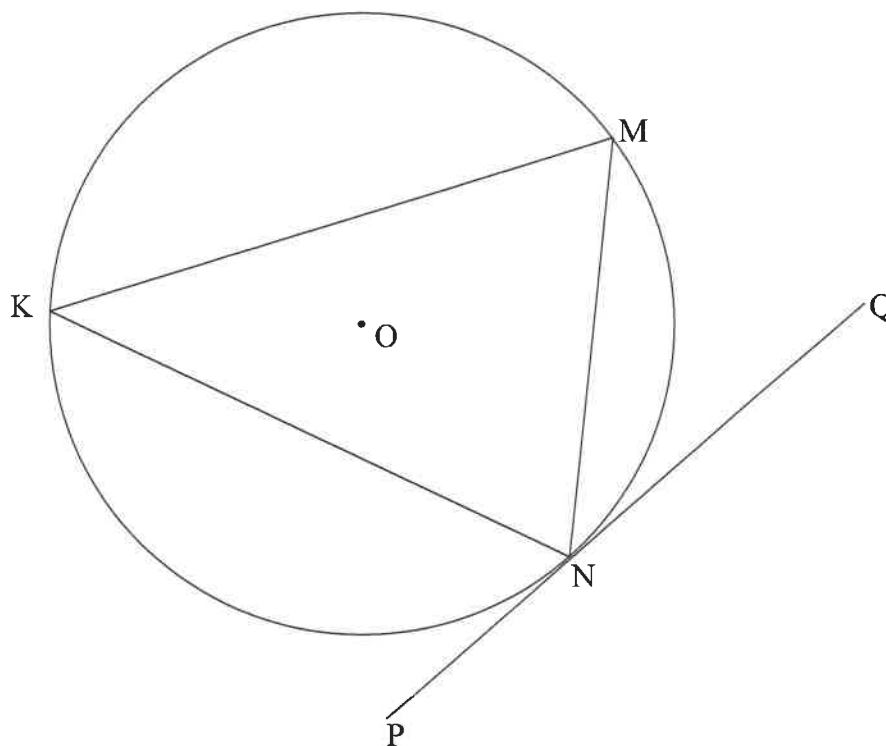
QUESTION/VRAAG 10

	Solution/Oplissing	Marks Punte
10.1		(1)
10.2.1		(2)

	Solution/<i>Oplossing</i>	Marks <i>Punte</i>
10.2.2		(4)
10.2.3		(5)
		[12]

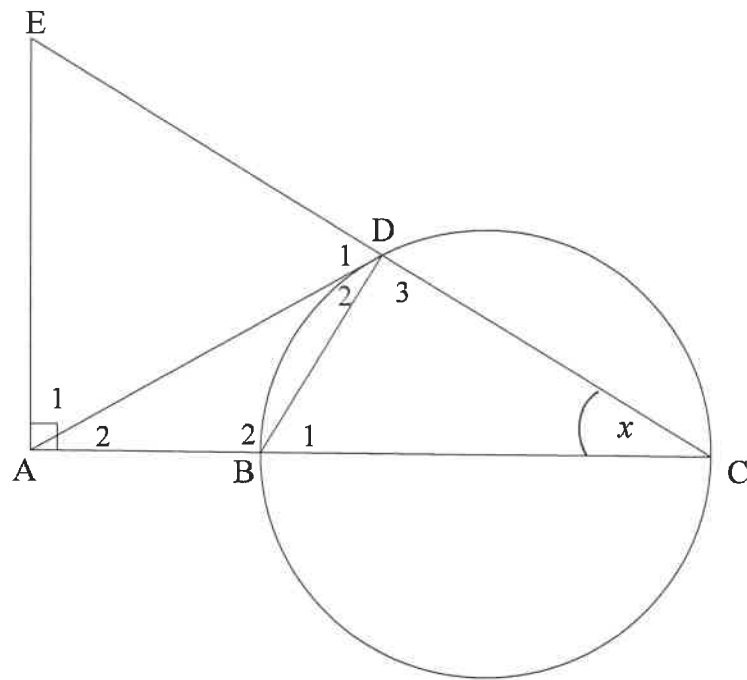
QUESTION/VRAAG 11

11.1

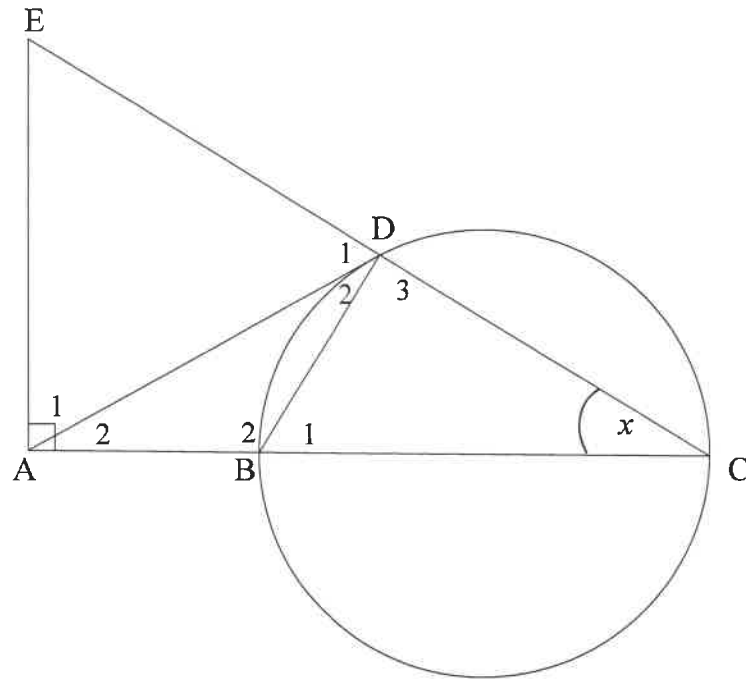


	Solution/Oplossing	Marks Punte
		(5)

11.2



	Solution/Oplossing	Marks Punte
11.2.1(a)		(1)
11.2.1(b)		(1)
11.2.1(c)		(1)
11.2.2(a)		(3)



	Solution/Oplossing	Marks Punte
11.2.2(b)		(3)
11.2.3(a)		(2)

	Solution/<i>Oplossing</i>	Marks <i>Punte</i>
11.2.3(b)		
		(4)
		[20]

	Additional space/<i>Bykomende ruimte</i>	Marks <i>Punte</i>

	Additional space/<i>Bykomende ruimte</i>	Marks <i>Punte</i>

	Additional space/<i>Bykomende ruimte</i>	Marks <i>Punte</i>

TOTAL/TOTAAL: 150