

basic education

Department: **Basic Education** REPUBLIC OF SOUTH AFRICA Candidate Barcode Sticker/Kandidaat-stafiekodeplakker

SENIOR CERTIFICATE EXAMINATIONS/ SENIORSERTIFIKAAT-EKSAMEN

MATHEMATICS P2/WISKUNDE V2

		ANSW	ER B	OOK/	ANTИ	VOOR	DEBOE	EK .		
									Sequence No.	on mark sheet
	ER								Volgnomme	r op puntestaat
									OF VAN	BOOKS BOEKE
ODE										
IARKER/NA	SIENER									
Marks Punte	Marker's Code and Initials Nasienerkode en -paraaf	Marks Punte	SM	DCM	СМ	IM	EM	Question Vraag	Marks Punte	Initials Paraaf
								1		
								2		
								3		
								4		
								5		
								6		
								7		
						20		8		
								9		
								10		
								11		
								12		
								13		
								14		
								15		
								16		
	TOTAL TOTAAL						TO	TAL TAAL		
				220000		7	HASH	TOTAL		
	ODE IARKER/NA Marks	ODE IARKER/NASIENER Marks Punte Marks Punte Marks Punte Masicnerkode en -parauf	UMBER IOMMER TON NUMBER IOMMER ODE MARKER/NASIENER Marker's Code and Initials Nasienerkode en -paraaj Punte TOTAL	ODE IARKER/NASIENER Marks Marker's Code and Initials Nasienerkode en -paraaj Marks Punte TOTAL	UMBER IOMMER TON NUMBER IOMMER ODE MARKER/NASIENER Marker's Code and Initials Punte Nasicnerkode en -parad/ Punte TOTAL	UMBER OMMER TON NUMBER OMMER ODE MARKER/NASIENER Moderator's Code and Initials Native and Initials Native and Initials Nasienerhode on -paragi Punte Marks Punte TOTAL	UMBER OMMER ION NUMBER OMMER ODE BC BC BC BC BC BC BC BC BC B	ION NUMBER OMMER ODE BOOK NUMBE	BOOK NUMBER BOOK NUMBER BOEKNOMMER BOOK NUMBER BOEKNOMMER BOOK NUMBER BOEKNOMMER BOOK NUMBER BOEKNOMMER BOOK NUMBER BOEKNOMMER BOOK NUMBER BOOK NU	DIN NUMBER DOK

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

This answer book consists of 31 pages./Hierdie antwoordeboek bestaan uit 31 bladsye.

Copyright reserved/Kopiereg voorbehou

Please turn over/Blaai om asseblief

DBE/2016

FOLLOW THESE INSTRUCTIONS CAREFULLY

- 1. Write your centre number and examination number clearly in the spaces provided and paste your barcode sticker 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. Answer ALL the questions in the spaces provided.
- 4. Do not remove any pages from this ANSWER BOOK.
- 5. Read the instructions printed on your timetable carefully as well as any other instructions that may be given in the question paper.
- You may not retain the ANSWER BOOK or remove it from the examination room. The ANSWER BOOK must be returned to the invigilator at the end of the examination session.
- 7. You may use blue/black ink to write the answers.
- 8. Do not write in the margins.
- 9. Draw a neat line through any work/rough work that must not be marked.
- 10. If you use the additional space provided:
 - 10.1 Write down the question number.
 - 10.2 Leave a line and rule off after the answer.

VOLG HIERDIE INSTRUKSIES NOUKEURIG

- 1. Skryf jou sentrumnommer en eksamennommer duidelik in die ruimtes wat voorsien is en plak jou stafiekodeplakker in die ruimte wat voorsien is.
- Onthou dat jou eie naam (of die naam van jou skool) nêrens op of in hierdie ANTWOORDEBOEK mag voorkom nie.
- 3. Beantwoord AL die vrae in die ruimtes wat voorsien is.
- 4. Moenie enige bladsye uit hierdie ANTWOORDEBOEK verwyder nie.
- 5. Lees die instruksies wat op jou eksamenrooster gedruk is, sorgvuldig deur, asook enige ander instruksies wat in die vraestel gegee word.
- 6. Jy mag nie die ANTWOORDEBOEK hou of uit die eksamenlokaal verwyder nie. Die ANTWOORDEBOEK moet aan die toesighouer terugbesorg word aan die einde van die eksamensessie.
- 7. Jy mag blou/swart ink gebruik om die antwoorde te skryf.
- 8. Moenie in die kantlyn skryf nie.
- 9. Trek 'n netjiese lyn deur enige werk/rofwerk wat nie nagesien moet word nie.
- 10 Indien jy die addisionele ruimte wat voorsien word, gebruik:
 - 10.1 Skryf die vraagnommer neer.
 - 10.2 Laat 'n reël oop en trek 'n lyn na jou antwoord.

SCE/SSE – Answer Book/Antwoordeboek

DBE/2016

8	8	10	12	16	19	20	21	24	25	26
---	---	----	----	----	----	----	----	----	----	----

	Solution/Oplossing	Marks <i>Punte</i>
1.1		
		(2)
1.2		
1.3		(3)
	6 10 14 18 22 26	(2)

Mathematics P2/Wiskunde V2

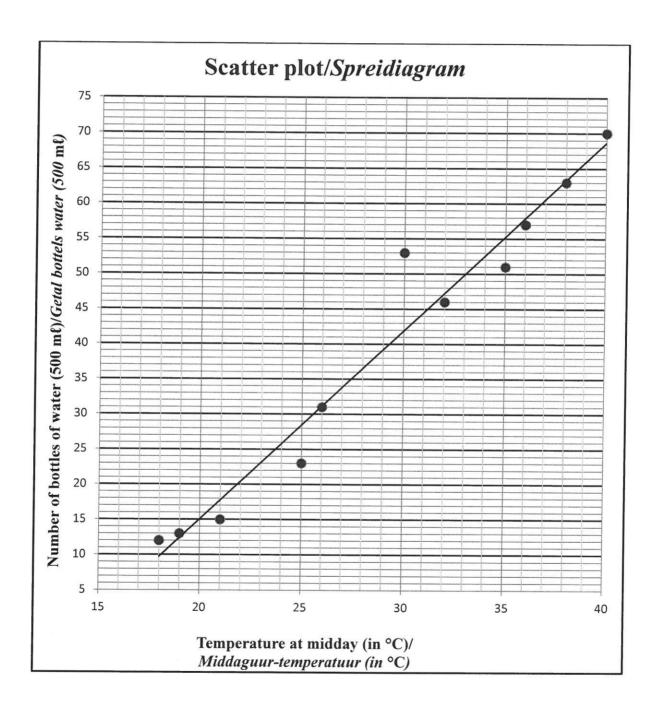
4
SCE/SSE – Answer Book/Antwoordeboek

1.4	
	(1)
1.5	(1)
	(2)
1.6	
	(2)
	[12]

SCE/SSE – Answer Book/Antwoordeboek

DBE/2016

Temperature at midday (in °C) Middaguur-temperatuur (in °C)	18	21	19	26	32	35	36	40	38	30	25
Number of bottles of water (500 ml) Getal bottels water (500 ml)	12	15	13	31	46	51	57	70	63	53	23



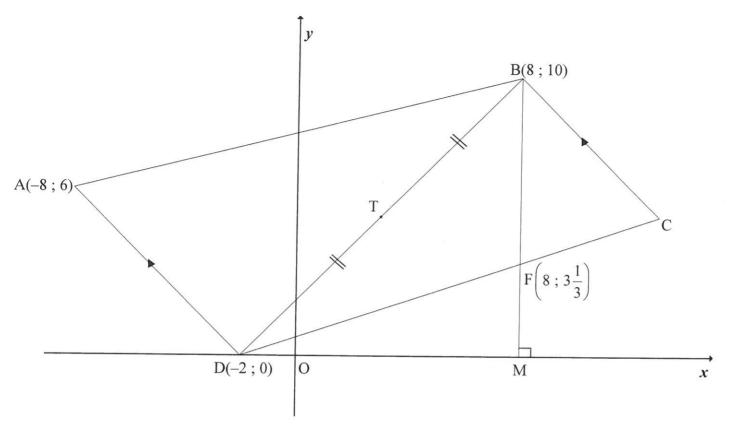
Mathematics P2/Wiskunde V2

6
SCE/SSE – Answer Book/Antwoordeboek

	Solution/Oplossing	Marks Punte
2.1		
		(1)
2.2		
		(3)
2.3		
		(2)
2.4		
		(2)
2.5		
		(1) [9]
		[9]

SCE/SSE – Answer Book/Antwoordeboek

DBE/2016



	Solution/Oplossing	Marks Punte
3.1		Tunc
		(2)
3.2		
		(3)

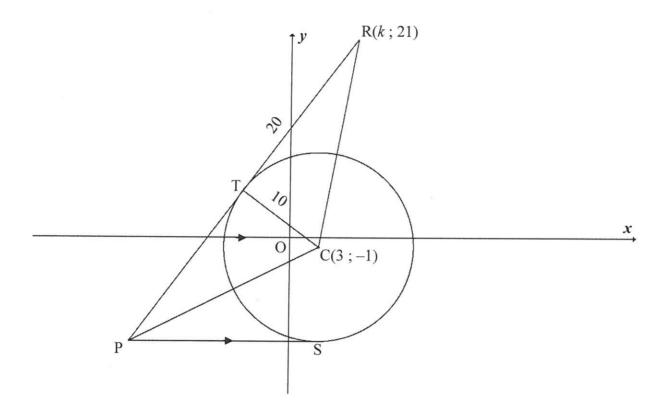
Mathematics P2/Wiskunde V2

8
SCE/SSE – Answer Book/Antwoordeboek

	Solution/Oplossing	M P	Iarks <i>Punte</i>
3.3			
		(3)	
3.4			
		(2)	
3.5		(2)	
2.6		(3)	
3.6			
		(5)	
		(5) [18]	

SCE/SSE – Answer Book/Antwoordeboek

DBE/2016



	Solution/Oplossing	Marks Punte
4.1		
		(1)
4.2		
		(2)

Mathematics P2/Wiskunde V2

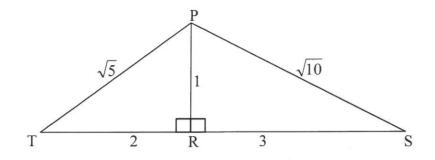
10 SCE/SSE – Answer Book/Antwoordeboek

	Solution/Oplossing	Marks Punte
4.3		
		(4)
4.4		
		(2)
4.5		(2)
4.6.1		(2)
		(2)

Mathematics P2/Wiskunde V2

11 SCE/SSE – Answer Book/Antwoordeboek

4.6.2 Puni 4.6.2 (3)	
(3)	
(3)	
(3)	
(3)	
(3)	
4.7.1	
(1)	
4.7.2	
4.7.3	
4.7.3	
(3) [21]	



	Solution/Oplossing	Marks Punte
5.1.1(a)	v	
		(1)
5.1.1(b)		
		acamania morrer
		(1)
5.1.2		
		(5)

Mathematics P2/Wiskunde V2

13 SCE/SSE – Answer Book/Antwoordeboek

	Solution/Oplossing	Marks Punte
5.2		
		(6)
5.3		
		TO DESCRIPTION OF THE PROPERTY
		000000 # 000 000 A AAA AA
		(5) [18]
		101

14 SCE/SSE – Answer Book/Antwoordeboek DBE/2016

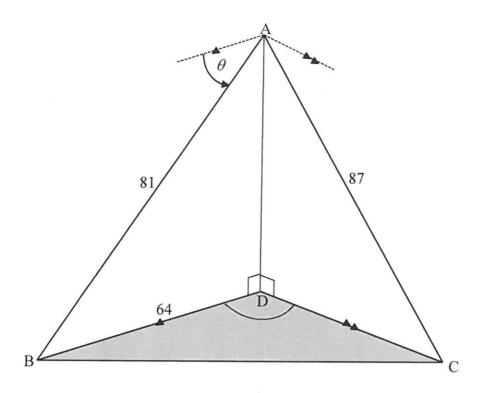
	Punte
	(6)
2 Ty	
	2 1 -180° -90° O 90° 180°

Mathematics P2/Wiskunde V2

15 SCE/SSE – Answer Book/Antwoordeboek

	Solution/Oplossing	Marks Punte
6.2.2		
		(2)
6.2.3		
		(2)
		[13]

16 SCE/SSE – Answer Book/Antwoordeboek DBE/2016



	Solution/Oplossing	Marks Punte
7.1		2 11.00
		(3)
7.2		
		(3)

Mathematics P2/Wiskunde V2

17 SCE/SSE – Answer Book/Antwoordeboek

	Solution/Oplossing	Marks Punte
7.3		2
		(3)
		[9]

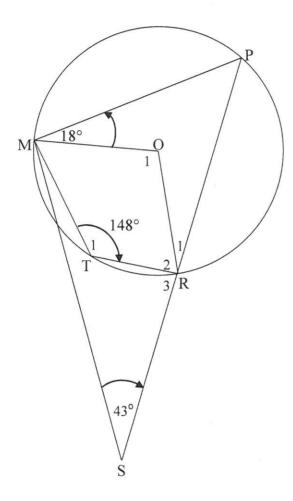
SCE/SSE – Answer Book/Antwoordeboek

DBE/2016

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

QUESTION/VRAAG8

8.1



	Solution/Oplossing	Marks Punte
8.1.1		
		(2)

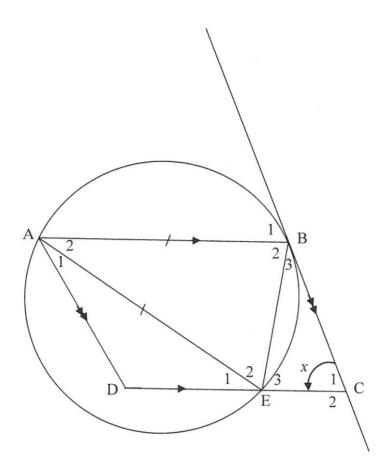
Mathematics P2/Wiskunde V2

19 SCE/SSE – Answer Book/Antwoordeboek

	Solution/Oplossing	Marks Punte
8.1.2		
		The state of the s
		(2)
8.1.3		(2)
8.1.4		(2)
		(2)

DBE/2016

8.2



	Solution/Oplossing	Marks Punte
8.2.1		
		(1)
8.2.2		
		(6)

Mathematics P2/Wiskunde V2

21 SCE/SSE – Answer Book/Antwoordeboek

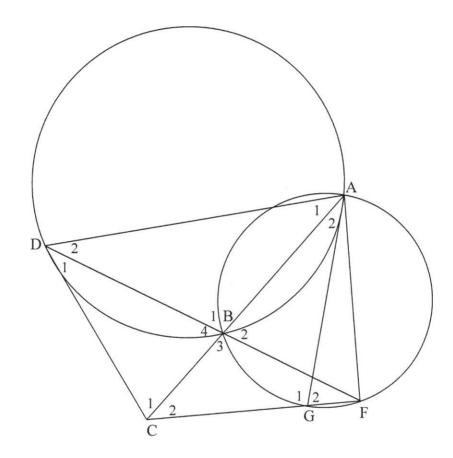
	Solution/Oplossing	Marks <i>Punte</i>
8.2.3		
		(3)
		[18]

22 SCE/SSE – Answer Book/Antwoordeboek DBE/2016

QUESTION/VRAAG9

	Solution/Oplossing	Marks Punte
9.1		
		(1)

9.2



	Solution/Oplossing	Marks <i>Punte</i>
9.2.1		
		(4)

Mathematics P2/Wiskunde V2

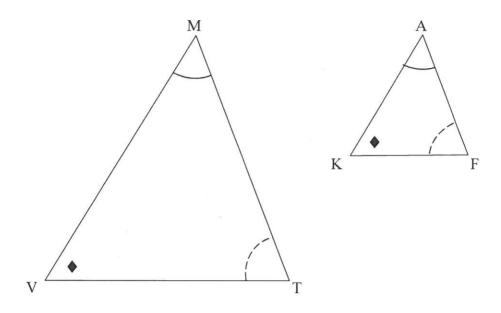
23 SCE/SSE – Answer Book/Antwoordeboek

	Solution/Oplossing	Marks Punte
9.2.2		
		(4)
0.2.3		(4)
		(4) [13]

24 SCE/SSE – Answer Book/Antwoordeboek DBE/2016

QUESTION/VRAAG 10

10.1

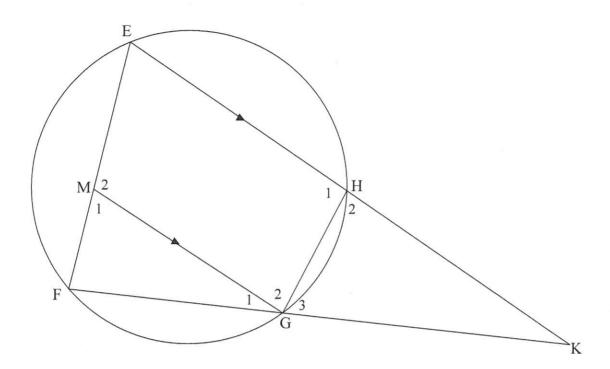


Solution/Oplossing	Marks Punte
	Tunte

	(7)

25 SCE/SSE – Answer Book/Antwoordeboek DBE/2016

10.2



	Solution/Oplossing	Marks Punte
10.2.1(a)		
		(4)
10.2.1(b)		
		(2)

Mathematics P2/Wiskunde V2

26 SCE/SSE – Answer Book/Antwoordeboek

	Solution/Oplossing	Marks Punte
10.2.1(c)		
\$ 161		

		l'
		(3)
10.2.2		
		-
		(3) [19]
		[19]

Mathematics P2/Wiskunde V2

27
SCE/SSE – Answer Book/Antwoordeboek

Additional space/Bykomende ruimte	Marks
	Punte
	and a
	on.
	-
	-
	1
	-

Mathematics P2/Wiskunde V2

28 SCE/SSE – Answer Book/Antwoordeboek

 Additional space/Bykomende ruimte	Marks
	Punte
· · · · · · · · · · · · · · · · · · ·	

Mathematics P2/Wiskunde V2

29 SCE/SSE – Answer Book/Antwoordeboek

Additional space/Bykomende ruimte	Marks <i>Punte</i>
	Administration of the second s

	Antonine de la constitución de la constitución de describe con esta de la constitución de
	110000000000000000000000000000000000000
	11-11-11-11-11-11-11-11-11-11-11-11-11-
	11000011000110001100011000110001

Mathematics P2/Wiskunde V2

30 SCE/SSE – Answer Book/Antwoordeboek

Additional space/Bykomende ruimte	Marks Punte	
	1004)	

Mathematics P2/Wiskunde V2

31 SCE/SSE – Answer Book/Antwoordeboek

DBE/2016

100000000000000000000000000000000000000
and the sea description and all the
annondelanical es

TOTAL/TOTAAL: