

NAME OF LEARNER:
NAAM VAN LEERDER:

CLASS:
KLAS:

**NATIONAL SENIOR CERTIFICATE
*NASIONALE SENIOR SERTIFIKAAT***

MATHEMATICS P2/*WISKUNDE V2*

GRADE/*GRAAD* 10

NOVEMBER 2015

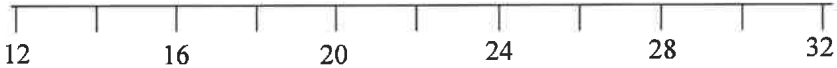
**SPECIAL ANSWER BOOK
*SPESIALE ANTWOORDEBOEK***

| QUESTION <i>VRAAG</i> | MARK <i>PUNT</i> | | | INITIAL <i>PARAAF</i> | MODERATION <i>MODERERING</i> | | | INITIAL <i>PARAAF</i> |
|--|-----------------------------|--|--|----------------------------------|---|--|--|----------------------------------|
| 1 | | | | | | | | |
| 2 | | | | | | | | |
| 3 | | | | | | | | |
| 4 | | | | | | | | |
| 5 | | | | | | | | |
| 6 | | | | | | | | |
| 7 | | | | | | | | |
| 8 | | | | | | | | |
| 9 | | | | | | | | |
| TOTAL <i>TOTAAL</i> (100) | | | | | | | | |

**This answer book consists of 16 pages.
*Hierdie antwoordeboek bestaan uit 16 bladsye.***

QUESTION/VRAAG 1

| | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|
| 14 | 15 | 16 | 16 | 17 | 17 | 18 | 18 | 19 | 19 |
| 19 | 20 | 21 | 21 | 22 | 23 | 24 | 24 | 29 | |

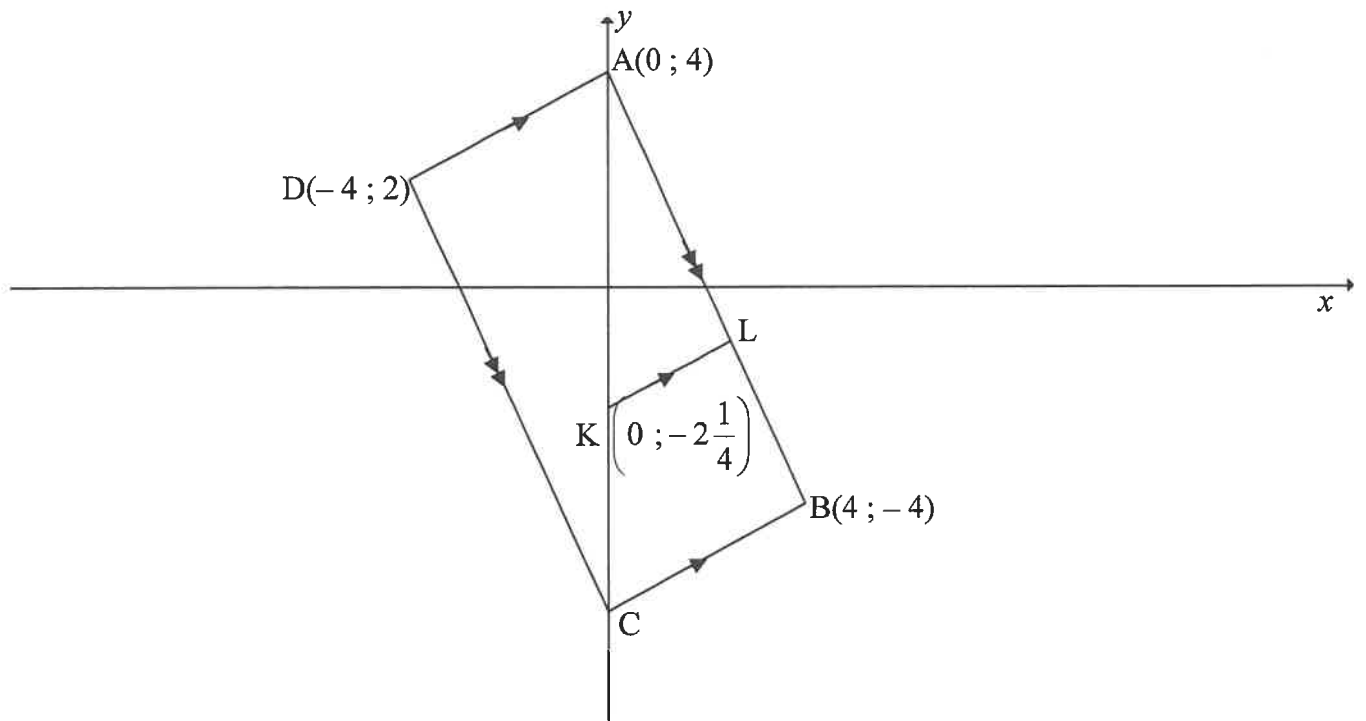
| | Solution/Oplissing | Marks Punte |
|-------|--|------------------------|
| 1.1 | | (1) |
| 1.2 | | (2) |
| 1.3 |  | (2) |
| 1.4.1 | | (2) |
| 1.4.2 | | (1) |
| 1.5 | | (2) |
| | | [10] |

QUESTION/VRAAG 2

| NUMBER OF HOURS (<i>h</i>)/ GETAL UUR (<i>h</i>) | FREQUENCY/ FREKWENSIE |
|---|----------------------------------|
| $0 < h \leq 2$ | 10 |
| $2 < h \leq 4$ | 15 |
| $4 < h \leq 6$ | 30 |
| $6 < h \leq 8$ | 35 |
| $8 < h \leq 10$ | 25 |
| $10 < h \leq 12$ | 5 |

| | Solution/Oplissing | Marks Punte |
|-----|---------------------------|------------------------|
| 2.1 | | (1) |
| | | |
| | | |
| 2.2 | | (3) [4] |
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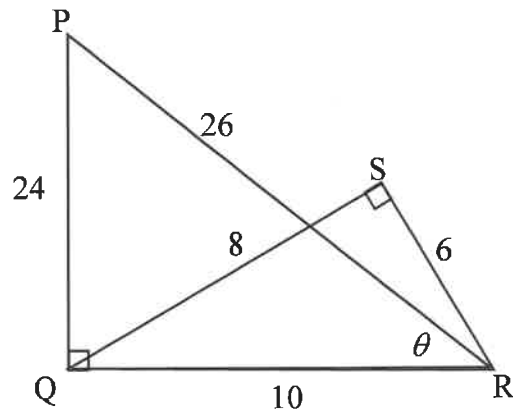
QUESTION/VRAAG 3



| | Solution/Oplissing | Marks Punte |
|-----|---------------------------|------------------------|
| 3.1 | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | (3) |
| 3.2 | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | (3) |

| | Solution/Oplissing | Marks Punte |
|-----|---------------------------|------------------------|
| 3.3 | | |
| | | |
| | | |
| | | |
| | | |
| | | (3) |
| 3.4 | | |
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| | | |
| | | (3) |
| 3.5 | | |
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| | | |
| | | |
| | | (1) |
| 3.6 | | |
| | | |
| | | |
| | | |
| | | |
| | | (2) |
| 3.7 | | |
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| | | |
| | | |
| | | |
| | | (3) |
| | | [18] |

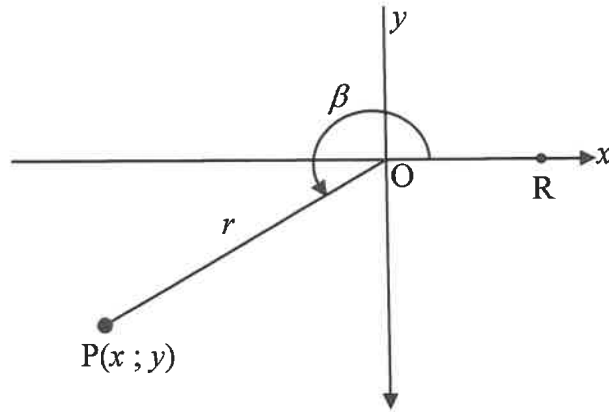
QUESTION/VRAAG 4



| | Solution/Oplissing | Marks Punte |
|-------|---------------------------|------------------------|
| 4.1.1 | | (1) |
| 4.1.2 | | (1) |
| 4.1.3 | | (1) |
| 4.1.4 | | (1) |
| 4.2 | | (3) |
| | | [7] |

QUESTION/VRAAG 5

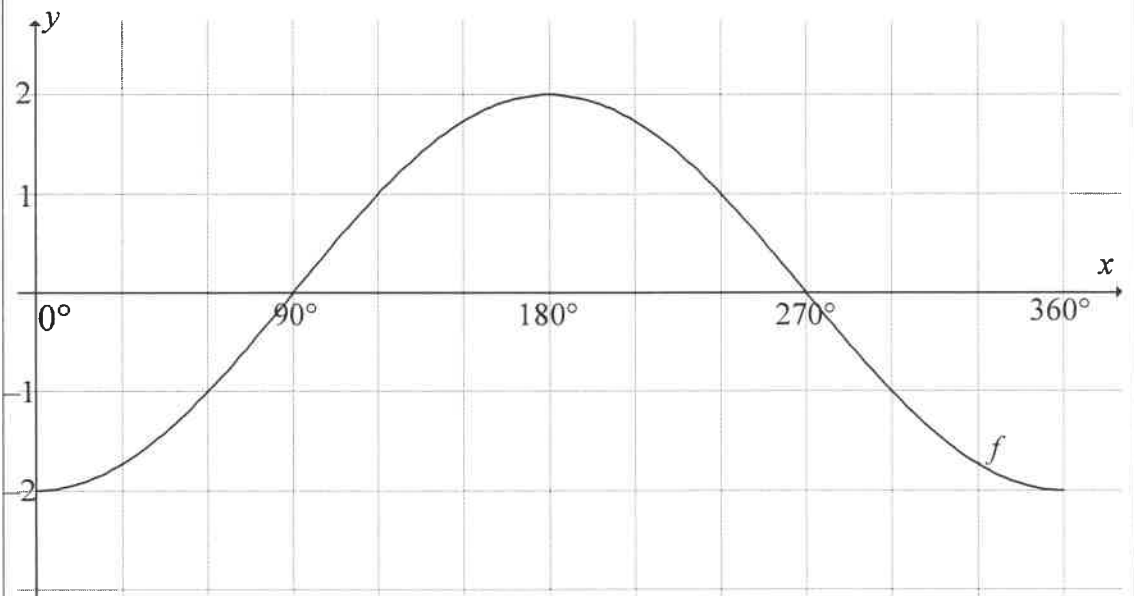
5.1



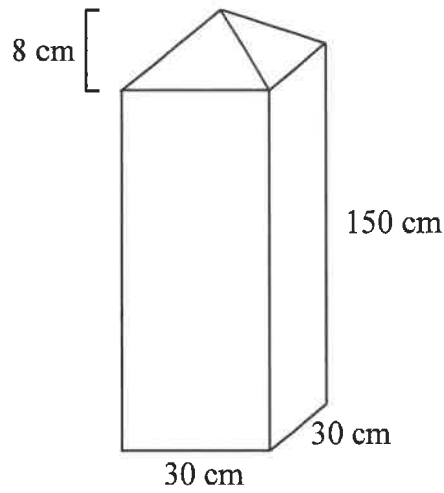
| | Solution/Oplissing | Marks Punte |
|----------|---------------------------|------------------------|
| 5.1.1 | | (4) |
| 5.1.2(a) | | (1) |
| 5.1.2(b) | | (3) |

| | Solution/Oplossing | Marks Punte |
|-------|---------------------------|------------------------|
| 5.1.3 | | (2) |
| 5.2.1 | | (2) |
| 5.2.2 | | (3) |
| 5.2.3 | | (3) |
| | | [18] |

QUESTION/VRAAG 6

| | Solution/Oplissing | Marks Punte |
|-------|---|----------------|
| 6.1 | | (1) |
| 6.2 | | (1) |
| 6.3 |  | (3) |
| 6.4.1 | | (2) |
| 6.4.2 | | (2) |
| 6.5.1 | | (2) |
| 6.5.2 | | (2) |
| | | [13] |

QUESTION/VRAAG 7

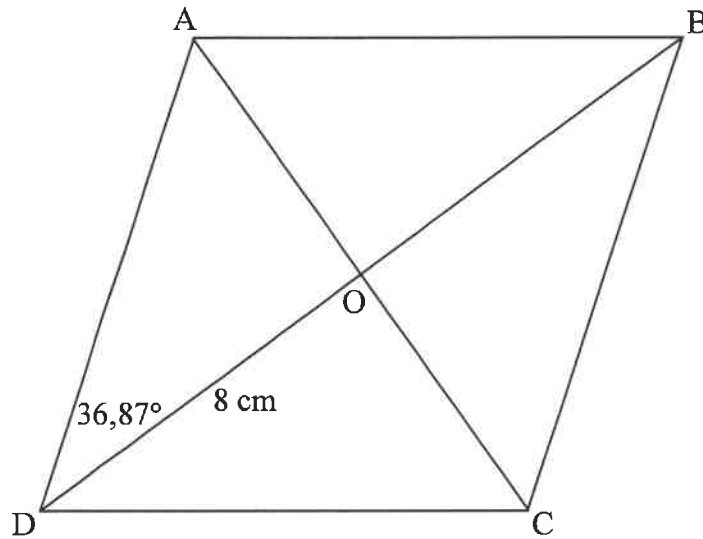


| | Solution/Oplissing | Marks Punte |
|-----|---------------------------|------------------------|
| 7.1 | | |
| | | |
| | | |
| | | |
| | | |
| | | (3) |
| 7.2 | | |
| | | |
| | | |
| | | |
| | | |
| | | (3) |
| 7.3 | | |
| | | |
| | | |
| | | |
| | | |
| | | (2) |
| | | [8] |

Give reasons for your statements in QUESTIONS 8 and 9.

Gee redes vir jou bewerings in VRAAG 8 en 9.

QUESTION/VRAAG 8



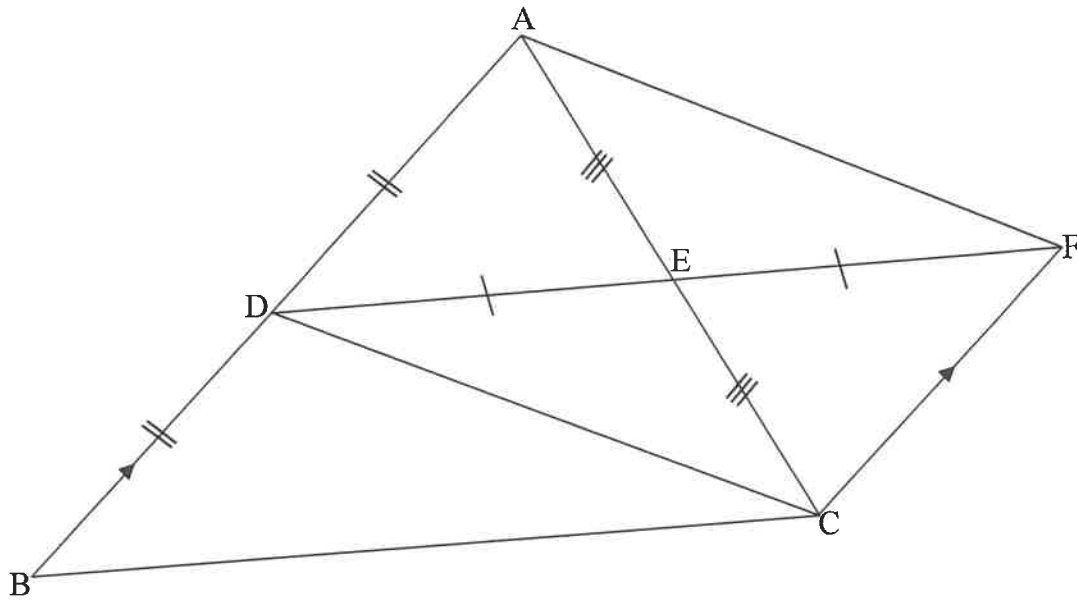
| | Solution/Oplissing | Marks Punte |
|-------|---------------------------|------------------------|
| 8.1.1 | | (1) |
| 8.1.2 | | (1) |
| 8.2 | | (2) |

| | <i>Solution/Oplossing</i> | <i>Marks Punte</i> |
|-----|---|--|
| 8.3 | <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> | |
| | | <i>(4)</i> <i>[8]</i> |

| | <i>Additional space/Bykomende ruimte</i> | <i>Marks Punte</i> |
|--|---|---------------------------|
| | <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> | |

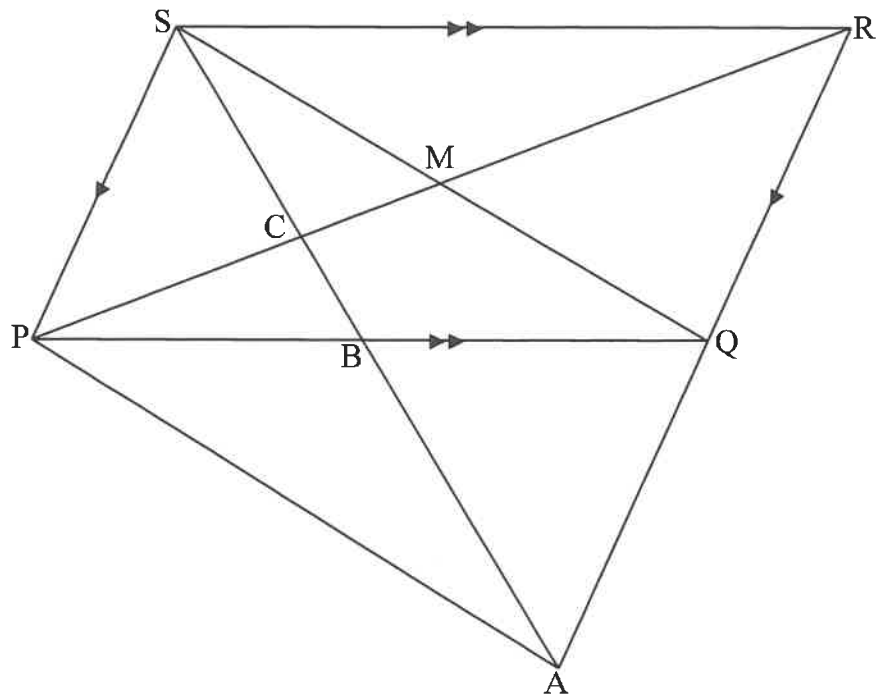
QUESTION/VRAAG 9

9.1



| | Solution/Oplissing | Marks Punte |
|-------|---------------------------|------------------------|
| 9.1.1 | | (1) |
| 9.1.2 | | (1) |
| 9.1.3 | | (2) |

9.2



| | Solution/Oplissing | Marks Punte |
|-------|---------------------------|------------------------|
| 9.2.1 | | (4) |
| | | |
| | | |
| | | |
| | | |
| 9.2.2 | | (2) |
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