



Province of the
EASTERN CAPE
EDUCATION

LEERDER NAAM

NASIONALE SENIOR SERTIFIKAAT

WISKUNDE V2

GRAAD 11

NOVEMBER 2015

SPEZIALE ANTWOORDEBOEK

| VRAAG | PUNT | PARAAF | MOD. |
|---------------|-------------|---------------|-------------|
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |
| 5 | | | |
| 6 | | | |
| 7 | | | |
| 8 | | | |
| 9 | | | |
| 10 | | | |
| 11 | | | |
| 12 | | | |
| TOTAAL | | | |

Hierdie antwoordeboek bestaan uit 22 bladsye.



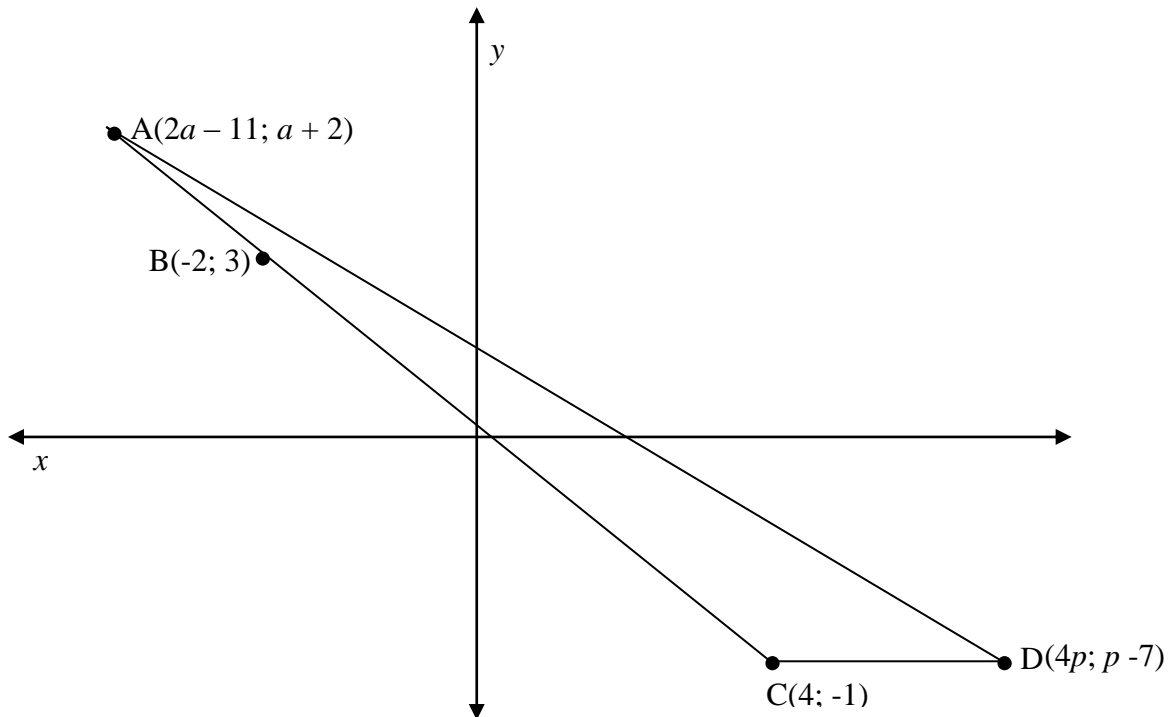
VRAAG 1

| | Oplossing | Punte | | | | | | | | | | | | | | | | | | |
|-----|--|-------------|---------------------------|---------------------------|--------------------|---|--|--------------------|----|--|--------------------|----|--|--------------------|----|--|--------------------|---|--|-----|
| 1.1 | <table><tr><th>HOOGTE (cm)</th><th>FREKWENSIE</th><th>KUMULATIEWE FREKWENSIE</th></tr><tr><td>$150 < x \leq 155$</td><td>4</td><td></td></tr><tr><td>$155 < x \leq 160$</td><td>22</td><td></td></tr><tr><td>$160 < x \leq 165$</td><td>56</td><td></td></tr><tr><td>$165 < x \leq 170$</td><td>32</td><td></td></tr><tr><td>$170 < x \leq 175$</td><td>6</td><td></td></tr></table> | HOOGTE (cm) | FREKWENSIE | KUMULATIEWE FREKWENSIE | $150 < x \leq 155$ | 4 | | $155 < x \leq 160$ | 22 | | $160 < x \leq 165$ | 56 | | $165 < x \leq 170$ | 32 | | $170 < x \leq 175$ | 6 | | (2) |
| | HOOGTE (cm) | FREKWENSIE | KUMULATIEWE FREKWENSIE | | | | | | | | | | | | | | | | | |
| | $150 < x \leq 155$ | 4 | | | | | | | | | | | | | | | | | | |
| | $155 < x \leq 160$ | 22 | | | | | | | | | | | | | | | | | | |
| | $160 < x \leq 165$ | 56 | | | | | | | | | | | | | | | | | | |
| | $165 < x \leq 170$ | 32 | | | | | | | | | | | | | | | | | | |
| | $170 < x \leq 175$ | 6 | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| 1.2 | <div><p>Ogief</p><p>Kumulatiewe Frekwensie Tabel</p><p>Hoogte (in sentimeters)</p></div> | (4) | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| 1.3 | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| | | (5) | | | | | | | | | | | | | | | | | | |
| 1.4 | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| | | (1) | | | | | | | | | | | | | | | | | | |
| | | [12] | | | | | | | | | | | | | | | | | | |

VRAAG 2

| | Oplossing | Punte |
|-----|------------------|--------------|
| 2.1 | | |
| | | |
| | | |
| | | |
| | | |
| | | (2) |
| 2.2 | | |
| | | |
| | | (1) |
| 2.3 | | |
| | | |
| | | |
| | | |
| | | |
| | | (4) |
| | | [7] |

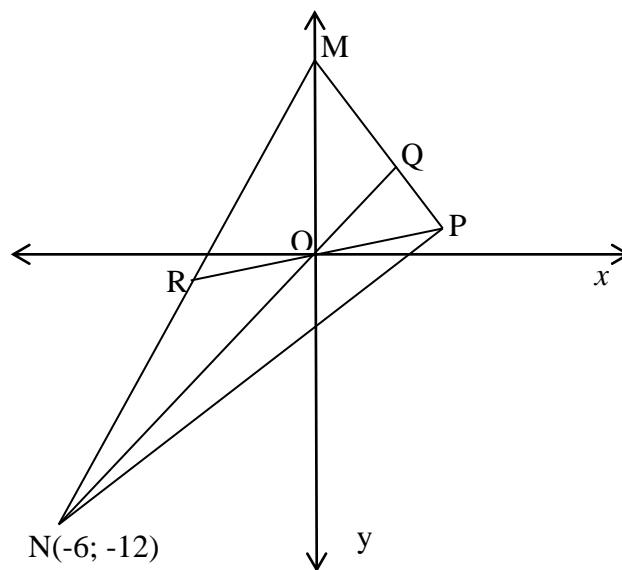
VRAAG 3



| | Oplossing | Punte |
|-----|-----------|-------|
| 3.1 | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | (4) |
| 3.2 | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | (3) |
| 3.3 | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | (3) |

| | | |
|-----|--|-------------|
| 3.4 | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | (3) |
| | | [13] |

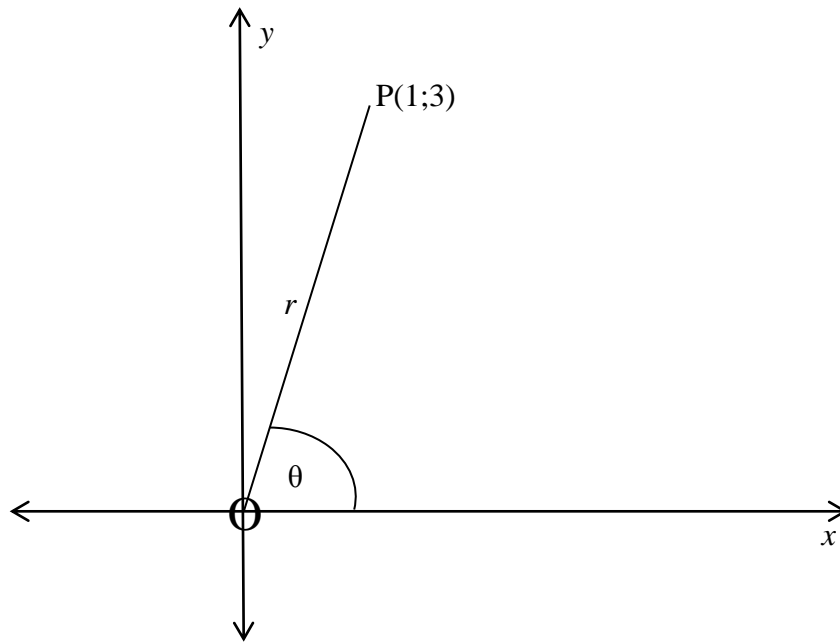
VRAAG 4



| | Oplossing | Punte |
|-----|-----------|-------|
| 4.1 | | |
| | | |
| | | |
| | | (1) |
| 4.2 | | |
| | | |
| | | |
| | | (1) |
| 4.3 | | |
| | | |
| | | |
| | | (3) |
| 4.4 | | |
| | | |
| | | |
| | | (4) |

| | | |
|-----|--|-------------|
| 4.5 | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | (4) |
| 4.6 | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | (3) |
| | | [16] |

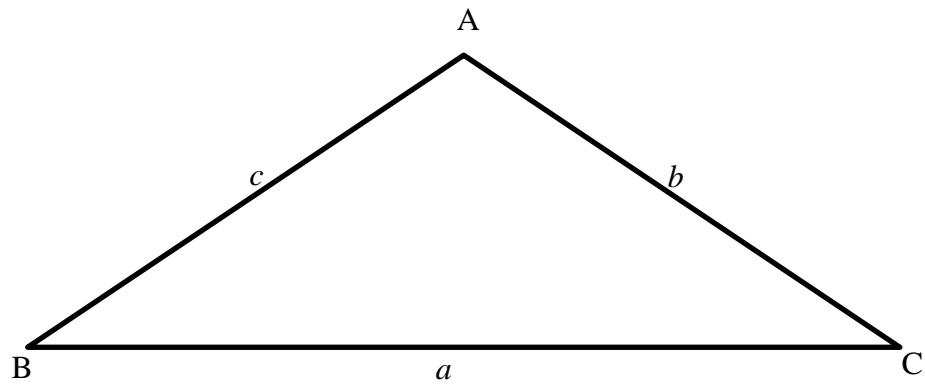
VRAAG 5



| | Oplossing | Punte |
|--------|-----------|-------|
| 5.1.1 | | |
| | | |
| | | |
| | | |
| | | (2) |
| 5.1.2 | | |
| | | |
| | | |
| | | |
| | | (2) |
| 5.1.3a | | |
| | | |
| | | |
| | | |
| | | (1) |
| 5.1.3b | | |
| | | |
| | | |
| | | |
| | | (2) |
| 5.2 | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | (6) |

| | | |
|-----|--|------|
| 5.3 | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | (5) |
| 5.4 | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | (5) |
| | | [23] |


VRAAG 6



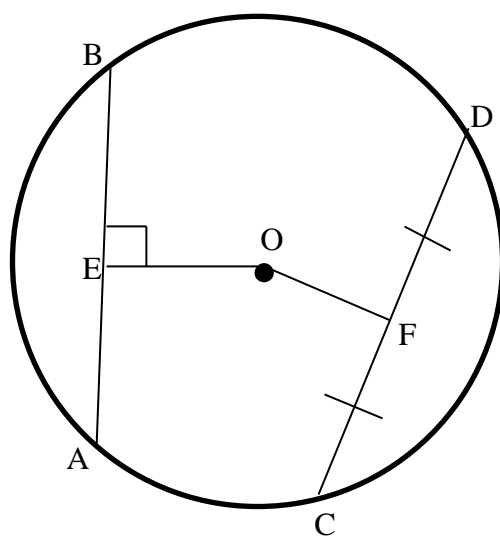
| | Oplossing | Punte |
|-------|-----------|-------|
| 6.1 | | |
| | | (2) |
| 6.2 | | |
| 6.2.1 | | |
| | | (3) |
| 6.2.2 | | |
| | | (3) |

| | | |
|-------|--|------|
| 6.2.3 | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | (3) |
| 6.2.4 | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | (4) |
| | | [15] |

VRAAG 7

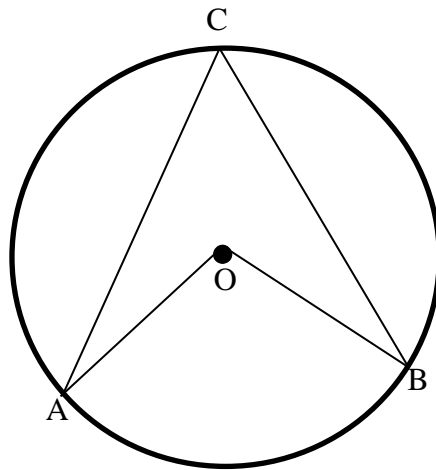
| | Oplossing | Punte |
|-----|--|-------|
| 7.1 |  | |
| | | (6) |
| 7.2 | <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> | |
| | | (6) |
| 7.3 | <div></div> <div></div> <div></div> | |
| | | (1) |
| | | [13] |

VRAAG 8



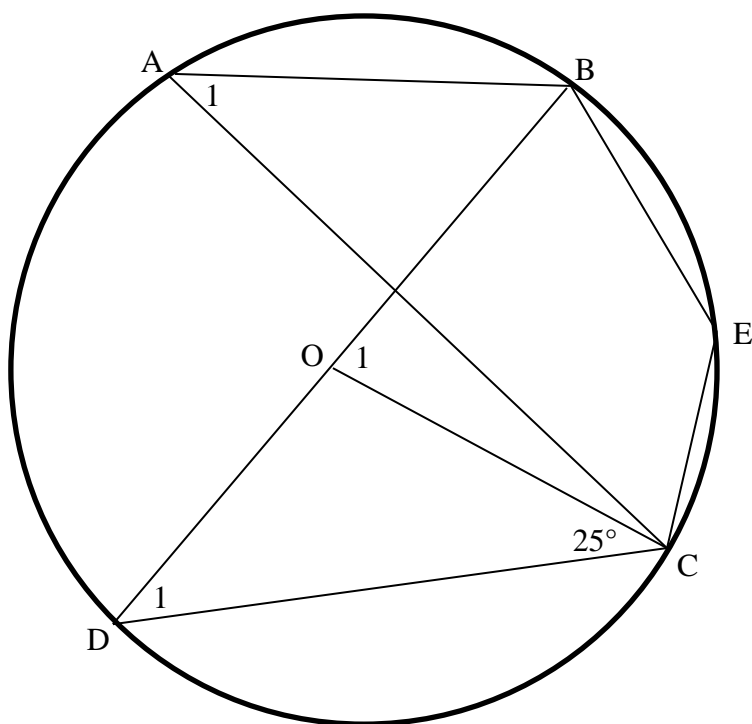
| | Oplossing | Punte |
|-------|-----------|-------|
| 8.1 | | |
| | | |
| | | |
| | | (1) |
| 8.2.1 | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | (3) |
| 8.2.2 | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | (4) |
| | | [8] |

VRAAG 9



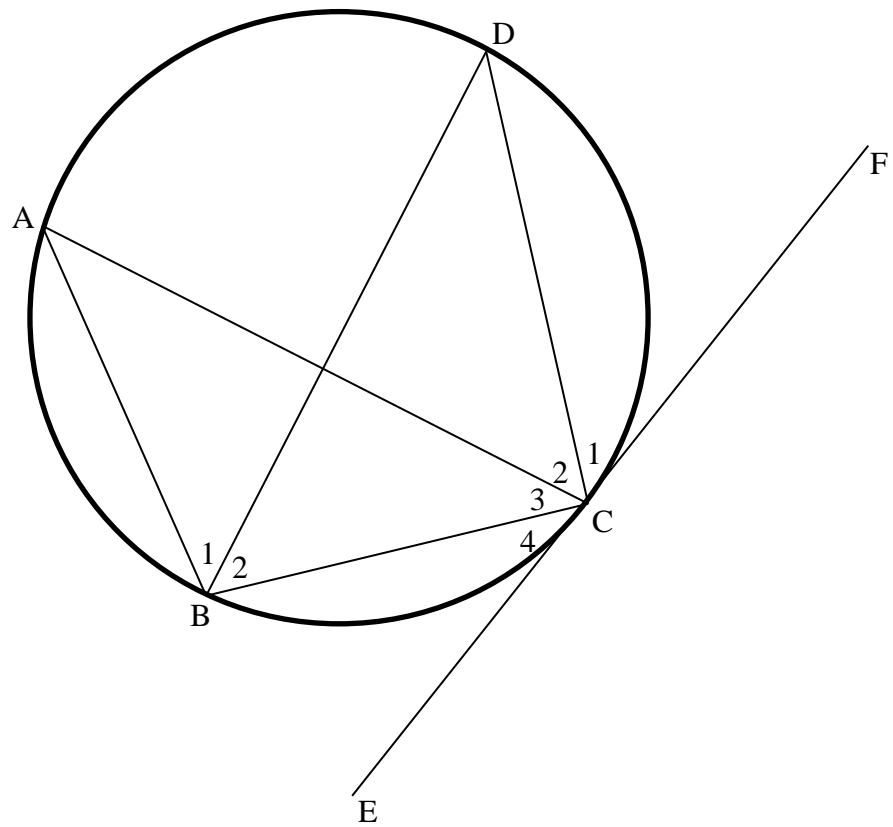
| | Oplossing | Punte |
|-----|-----------|-------|
| 9.1 | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | (6) |

9.2



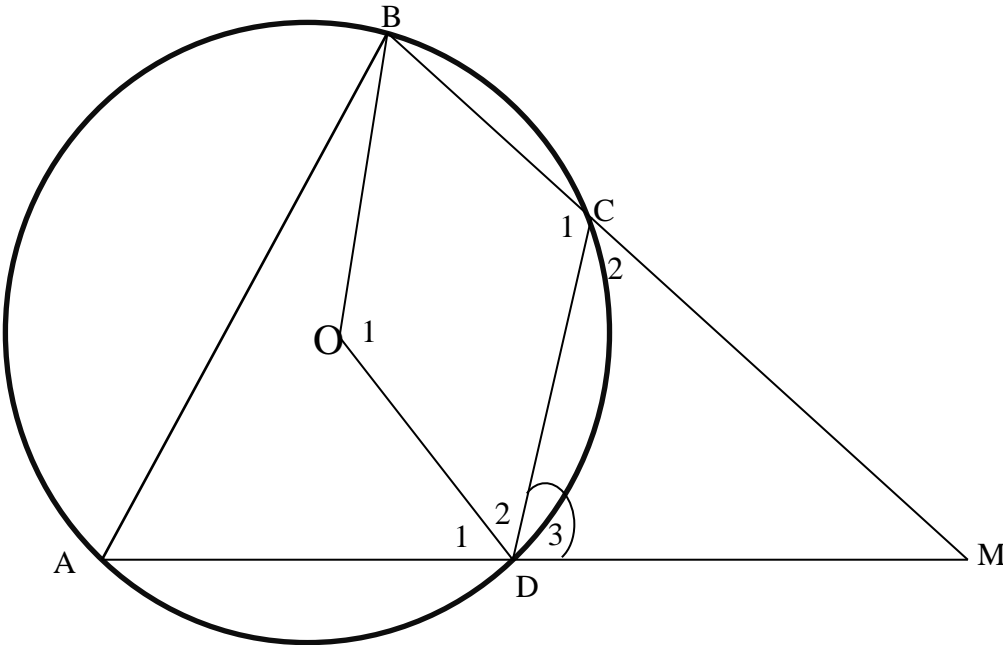
| | | |
|-------|--|------|
| 9.2.1 | | |
| | | |
| | | |
| | | |
| | | (2) |
| 9.2.2 | | |
| | | |
| | | |
| | | |
| | | (2) |
| 9.2.3 | | |
| | | |
| | | |
| | | |
| | | (2) |
| 9.2.4 | | |
| | | |
| | | |
| | | |
| | | (2) |
| | | [14] |

VRAAG 10



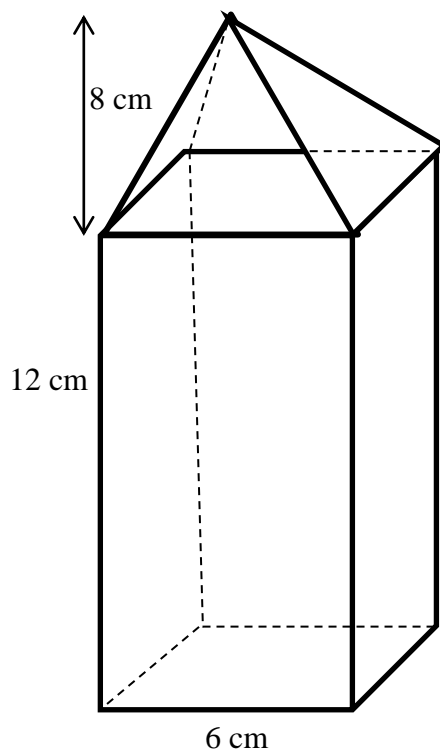
| | Oplossing | Punte |
|------|-----------|-------|
| 10.1 | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | (4) |
| 10.2 | | |
| | | |
| | | |
| | | |
| | | |
| | | (2) |
| | | [6] |

VRAAG 11

| | Oplossing | Punte |
|--------|---|-------|
| 11.1 | | |
| | | |
| | | |
| | | (1) |
| 11.2 |  | |
| 11.2.1 | <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> | |
| | | (5) |

| | | |
|--------|--|------|
| 11.2.2 | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | (2) |
| 11.2.3 | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | (3) |
| | | [11] |

VRAAG 12



| | Oplossing | Punte |
|------|-----------|-------|
| 12.1 | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | (3) |
| 12.2 | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | (3) |
| 12.3 | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | (5) |
| | | [11] |

[illegible]

[illegible]

[illegible]

