



Province of the
EASTERN CAPE
EDUCATION

LEARNER'S NAME: <i>LEERDERNAAM:</i>	
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GRADE 10 <i>GRAAD 10</i>	
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**NATIONAL/NASIONALE
SENIOR
CERTIFICATE/SERTIFIKAAT**

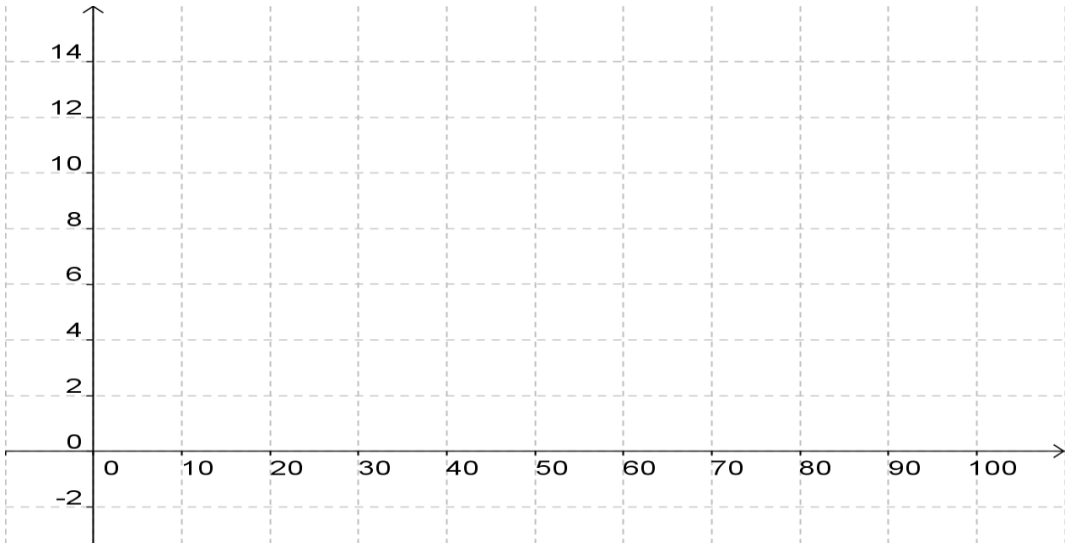
GRADE 10/*GRAAD 10*

NOVEMBER 2020

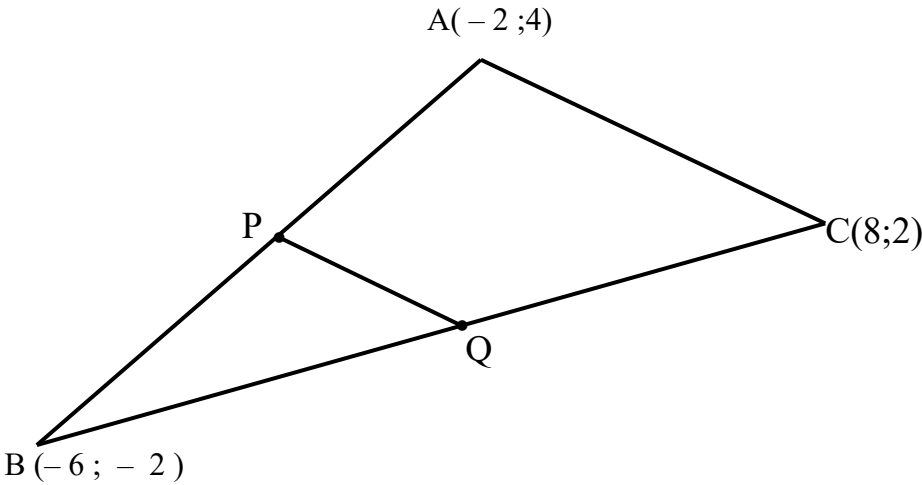
**MATHEMATICS P2/*WISKUNDE V2*
SPECIAL ANSWER BOOK/*SPESIALE ANTWOORDEBOEK*
(*EXEMPLAR/EKSEMPLAAR*)**

Marker/ <i>Merker</i>				Moderator's Initials / <i>Moderator se paraaf</i>									
Question <i>Vraag</i>	Marks <i>Punte</i>			Initial Parafeer	Marks <i>Punte</i>	S M	Marks <i>Punte</i>	D M	Marks <i>Punte</i>	P M	Marks <i>Punte</i>	NM	
1													
2													
3													
4													
5													
6													
TOTAL <i>TOTAAL</i>													

This special answer book consists of 14 pages./
Hierdie spesiale antwoordeboek bestaan uit 14 bladsye.

QUESTION 1/VRAAG 1																																					
	Solution / Oplossing				Marks Punte																																
1.1.1	<table><tr><th>Marks/ Punte</th><th>Frequency/ Frekwensie</th><th>Midpoints/ Middelpunt</th><th>Midpoint $\times$ Frequency/ Middelpt $\times$ Frekwensie</th></tr><tr><td>$0 < x \leq 30$</td><td>2</td><td>15</td><td>30</td></tr><tr><td>$30 < x \leq 40$</td><td>3</td><td>35</td><td>105</td></tr><tr><td>$40 < x \leq 50$</td><td>11</td><td>45</td><td>495</td></tr><tr><td>$50 < x \leq 60$</td><td>7</td><td>55</td><td></td></tr><tr><td>$60 < x \leq 70$</td><td>3</td><td></td><td>195</td></tr><tr><td>$70 < x \leq 80$</td><td>2</td><td>75</td><td>150</td></tr><tr><td>$80 < x \leq 100$</td><td>0</td><td>90</td><td>0</td></tr></table>				Marks/ Punte	Frequency/ Frekwensie	Midpoints/ Middelpunt	Midpoint $\times$ Frequency/ Middelpt $\times$ Frekwensie	$0 < x \leq 30$	2	15	30	$30 < x \leq 40$	3	35	105	$40 < x \leq 50$	11	45	495	$50 < x \leq 60$	7	55		$60 < x \leq 70$	3		195	$70 < x \leq 80$	2	75	150	$80 < x \leq 100$	0	90	0	(2)
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					$80 < x \leq 100$	0	90	0																													
1.1.2					(2)																																
1.1.3	FREQUENCY POLYGON OF GRADE 10 MATHEMATICS CLASS FREKWENSIE-POLIGOON VAN GRAAD 10 WISKUNDEKLAS  GRADE 10 MATHEMATICS MARKS GRAAD 10 WISKUNDEPUNTE				(3)																																
1.1.4 (a)					(2)																																
1.1.4 (b)					(2)																																

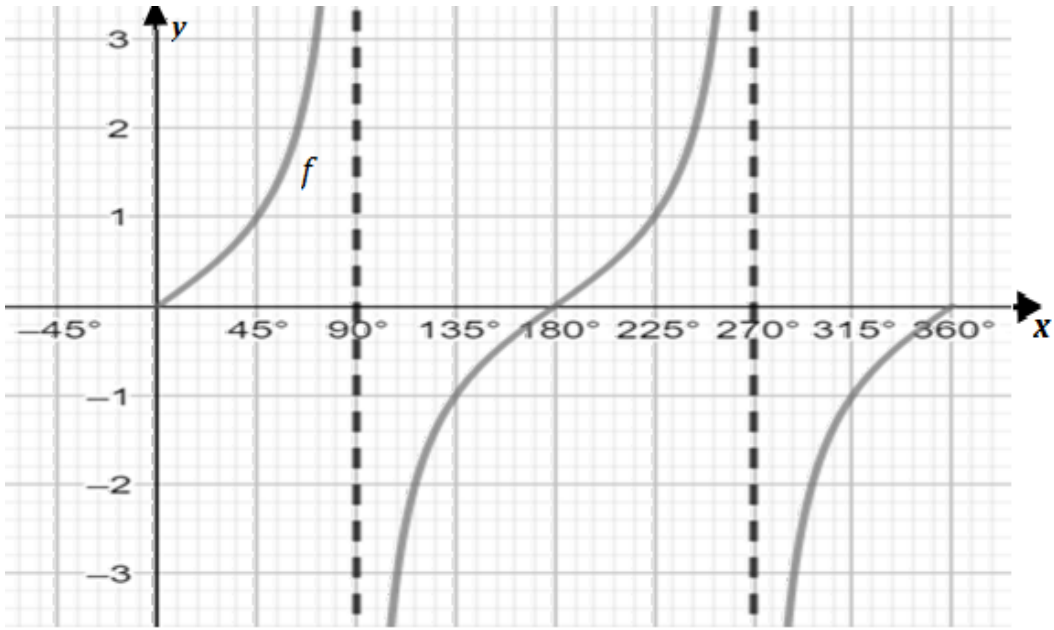
1.2	<table><tr><td>45</td><td>49</td><td>50</td><td>51</td><td>51</td><td>53</td><td>54</td><td>57</td><td>57</td><td>59</td><td>60</td><td>64</td></tr><tr><td>65</td><td>66</td><td>70</td><td>71</td><td>73</td><td>74</td><td>75</td><td>76</td><td>83</td><td>89</td><td>89</td><td></td></tr></table>	45	49	50	51	51	53	54	57	57	59	60	64	65	66	70	71	73	74	75	76	83	89	89		
45	49	50	51	51	53	54	57	57	59	60	64															
65	66	70	71	73	74	75	76	83	89	89																
1.2.1		(1)																								
1.2.2		(3)																								
1.2.3	</																									

QUESTION 2/VRAAG 2		
	Solution / Oplossing	Marks Punte
	 $A(-2; 4)$ $B(-6; -2)$ $C(8; 2)$ P Q	
2.1		(4)
2.2.1		(4)

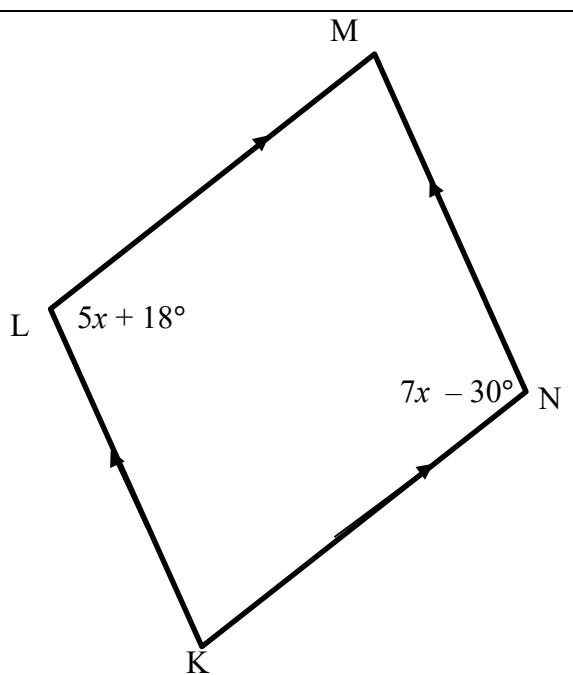
2.2.2		(4)
2.3		(4)
		[16]

QUESTION 3 / <i>VRAAG 3</i>		
	Solution / <i>Oplossing</i>	Marks <i>Punte</i>
3.1.1		(2)
3.1.2		(2)
3.1.3		(2)
3.2.1		(2)
3.2.2		(3)

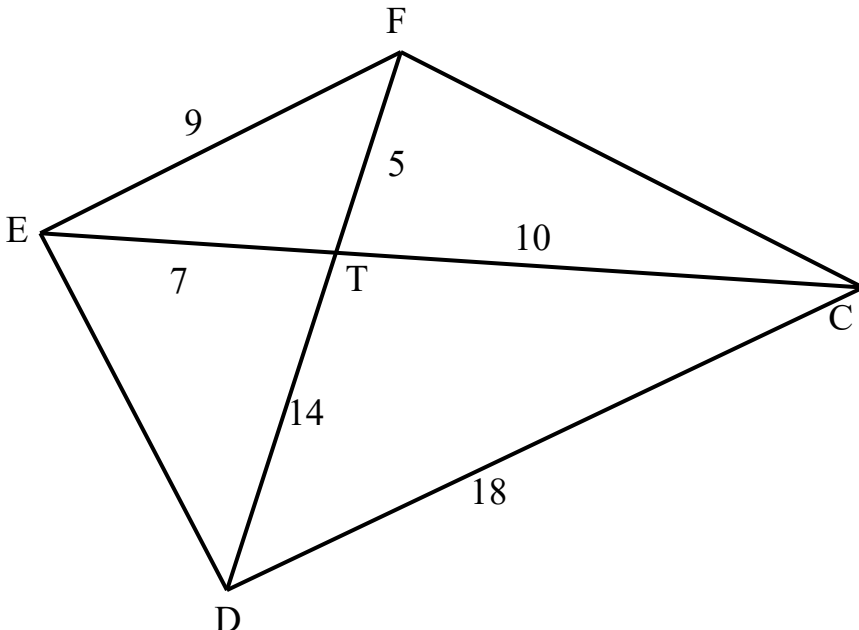
	Solution / <i>Oplossing</i>	Marks <i>Punte</i>
3.3		(3)
3.4		(5)
3.5		(2)
		[21]

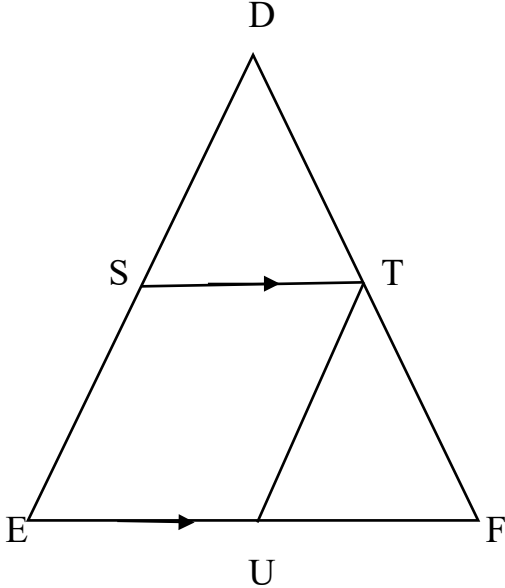
QUESTION 4 / VRAAG 4		
	Solution / Oplossing	Marks Punte
4.1.		(4)
4.2		(1)
4.3		(1)
4.4.1		(2)
4.4.2		(2)
4.5		(2)
		[12]

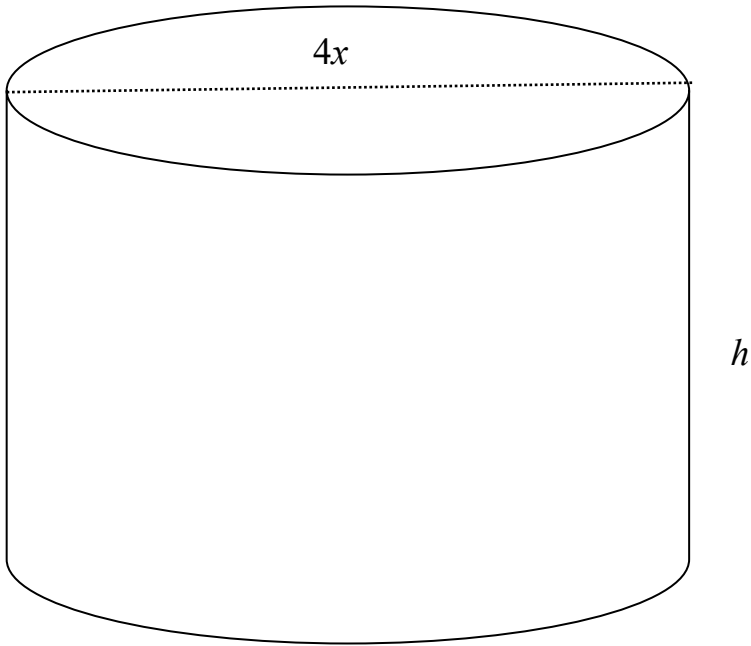
[illegible]

	Solution / Oplossing	Marks Punte
5.2		
5.2.1		(4)
5.2.2		(3)

[illegible]

	Solution / Oplossing	Marks Punte
5.4		
5.4.1		(3)
5.4.2		(3)

	Solution / Oplossing	Marks Punte
5.5.1		(1)
5.5.2		(4)
		[28]

QUESTION 6 / VRAAG 6		
	Solution / Oplossing	Marks Punte
	 A diagram of a cylinder. The top circular face has a horizontal dashed line across its center, with the label $4x$ above it. The vertical height of the cylinder is labeled h on the right side.	
		(3)
		[3]
	TOTAL/TOTAAL:	100