



Province of the
EASTERN CAPE
EDUCATION

LEARNER'S NAME /
LEERDER SE NAAM

NATIONAL SENIOR CERTIFICATE
NASIONALE SENIOR SERTIFIKAAT

MATHEMATICS P2 / WISKUNDE V2 (EXEMPLAR)

GRADE 10 / GRAAD 10

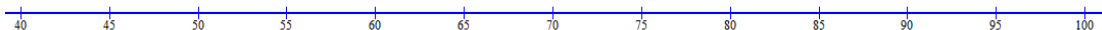
NOVEMBER 2019

SPECIAL ANSWER BOOK
SPESIALE ANTWOORDEBOEK

QUESTION VRAAG	MARKS PUNTE	MARKER'S INITIAL NASIENER SE VOORLETTERS	MOD. MARKS/ PUNTE	INITIALS MOD/ VOORLETTERS MOD
1				
2				
3				
4				
5				
6				
7				
8				
TOTAL/TOTAAL	100			

This answer book consists of 15 pages./Hierdie antwoordeboek bestaan uit 15 bladsye.

QUESTION/VRAAG 1

	Solution/Oplossing	Marks Punte																				
	<table><tr><td>48</td><td>50</td><td>52</td><td>59</td><td>60</td><td>68</td><td>73</td><td>76</td><td>76</td><td>76</td></tr><tr><td>78</td><td>79</td><td>80</td><td>81</td><td>82</td><td>82</td><td>84</td><td>91</td><td>92</td><td>98</td></tr></table>	48	50	52	59	60	68	73	76	76	76	78	79	80	81	82	82	84	91	92	98	
48	50	52	59	60	68	73	76	76	76													
78	79	80	81	82	82	84	91	92	98													
1.1.1		(1)																				
1.1.2		(2)																				
1.1.3		(2)																				
1.1.4		(1)																				
1.1.5		(3)																				
																						

QUESTION/VRAAG 2

	Solution/Oplissing	Marks Punte
2.1		(5)
2.2		(2)

2.3		(5)
2.4		(4)
		[16]

QUESTION/VRAAG 3

	Solution/Oplossing	Marks Punte
3.1.1		(3)
3.1.2		(3)
3.2		(6)

3.3.1		(3)
3.3.2		(3)
3.4		(5)

3.5.1		(2)
3.5.2		(2)
		[27]

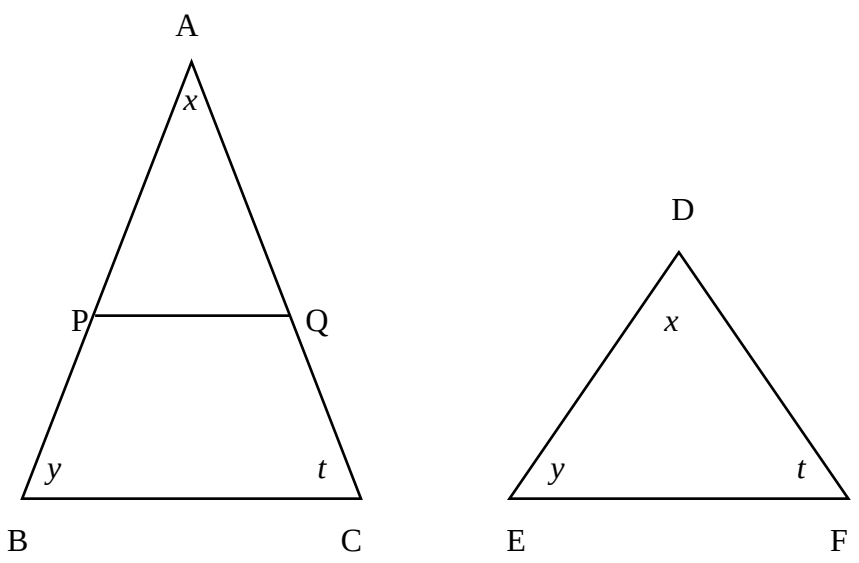
QUESTION/VRAAG 4

	Solution/Oplossing	Marks Punte
4.1		(3)
4.2		(1)
4.3		(3)
4.4		(2)
4.5		(3)
		[12]

QUESTION/VRAAG 5

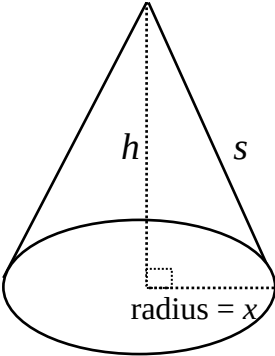
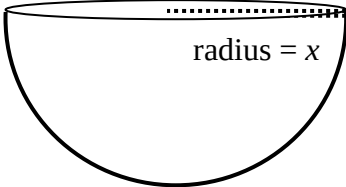
	Solution/Oplossing	Marks Punte
5.1		(4)
5.2		
		(4)
		[8]

QUESTION/VRAAG 6

	Solution/Oplissing	Marks Punte
		
6.1.1		(3)
6.1.2		(3)
6.1.3		(4)

6.2		
6.2.1		
		(1)
6.2.2		
		(5)
		[16]

QUESTION/VRAAG 7

	Solution/Oplissing	Marks Punte
	  Total surface area of a cone = $\pi r^2 + \pi rs$, where s is the slant height of the cone. <i>Totale buite-oppervlakte van 'n keël = $\pi r^2 + \pi rs$, waar s die skuinshoogte van die keël is.</i> Total surface area of a hemisphere = $3\pi r^2$. <i>Totale buite-oppervlakte van 'n hemisfeer = $3\pi r^2$.</i>	
		(4)
		[4]

[illegible]

[illegible]

TOTAL/TOTAAL: 100