

ANNUAL NATIONAL ASSESSMENT 2014 GRADE 9 MATHEMATICS

MEMORANDUM

This memorandum consists of 9 pages.

Important Information:

- This is a marking guideline. In instances where learners have used different but mathematically sound strategies to solve the problems they (seamers) should be credited.
- Unless stated otherwise, learners who give a correct answer only, should be awarded full marks.
- Underline errors committed by learners and apply Consistent Accuracy (CA) marking.
- Do not penalise learners if units of measurement are omitted.

KEY.						
0.41	Method mark					
CA	Consistent Accuracy mark					
AL.	Acquiracy mark					

QUESTION 1

2.00	10.10	D	1.2	C	1.3	В	1.4	A	1.5	D	Give 1 mark for each correct answer.	I
1-	1.6	С	1.7	0	1.8	D	1.0	В	1.10	D		[10]

QUESTION 2

2.1	2.07 × 10 ⁻⁷ ✓ A	Answer: 1 mark		
2.2.1	³ √73 - (-3) ³ = ¹ √73 - 9 = ¹ √64 ✓ M = 4✓ CA	Galovistion: 1 mark Answer: 1 mark (Answer only: 1 mark) (If the answer is a decimal number, no mark)	(2)	
2.2.2	√100 < √110 < √121 ✓ M 10 < √110 < 11 ✓ A	√100 and √121: 1 mark Answer: 1 mark (Answer only: 1 mark)	(2)	
2.23	= 3 × 5 ² ✓ M = 75 ✓ CA	Applying exponential law: 1 mark Answer: 1 mark (Answer only: 1 mark)	(2)	
23	1.03 × 10 ⁻¹ + 3.8 × 10 ⁻³ = 0.0103 + 0.0038 ✓M = 0.0141 ✓CA	Simplification: 1 mark Answer: 1 mark (Answer only: 1 mark)		
	or = 10 ⁻² (1.03 + 0.38) /M or = 10 ⁻² (1.41) = 0.0141 /CA	= 10 ⁻² (10.3 + 3.8) /M = 10 ⁻² (14.1) = 0.0141 /CA	Taking out common factor: 1 mark Answer: 1 mark (Answer only: 1 mark)	(2)
		-		[19]

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Mpumalanga (South Africa).

Department of Education

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