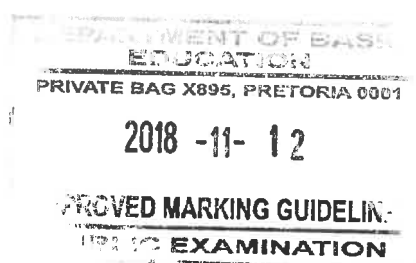


GRADE 10 MATHEMATICS
NOVEMBER 2018 : PAPER 1
ADDENDUM TO THE MARKING GUIDELINES

These notes have been created to provide options that learners may use and the appropriate mark allocation for their answers.

1.2.3	The mark for 5^{-2x} is NOT for $(5^2)^{-x}$	
1.3	$(3p+q)^2$ $= 9p^2 + q^2$ $= 9p^2 + q^2$ $= 12$	Award : 1/3 marks
2.2.2	If the candidate list the integers: -1 ; 0 ; 1 ; 2 ; 3	Award : 1/1 marks
3.2	$T_n = a + (n-1)d$ $= 20 + (n-1)(-3)$ $= -3n + 23$	✓ common difference = -3 ✓ answer (2)
3.3	ca the answer – provided the n does not work out to be negative or a fraction.	
3.4	If $T_n = -1$ $-3n + 23 = -1$ $-3n = -24$ $n = 8$	Award max: 2/3 marks
3.5	$T_{19} = -3(19) + 23$ $= -34$	Award: 0/2 marks
5.1.1	Accept: $x = 0$ $y = -3$	
5.2.1	A must be in coordinate form.	
6.1.2	If the candidate leaves the answer as: $h(x) = x + q$	Award: 2 / 2 marks
6.2	The shape mark for g is for 2 arms being in the correct positions	
7.5	<ul style="list-style-type: none"> • If $n = 24$; $i = 27,11\%$: award 3 / 4 marks • If A and P are swapped, max: 1 / 4 marks (answer is -3,19%) • 	
8.1.2	If a candidate answers NOT mutually exclusive with NO reason: award 1 / 2 marks	

8.2	Candidates may use the values from question 8.1. If they do, these are the answers and the subsequent mark allocations:	
8.2.1	$P(A \text{ and } B)$ $= \frac{87}{280}$	✓ answer
8.2.2	$P(A \text{ or } B)'$ $= \frac{2}{7}$	✓ answer
8.2.3	$P(A \text{ or } B) - P(A \text{ and } B)$ $= \frac{5}{7} - \frac{87}{280}$ $= \frac{113}{280}$	✓ answer



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