DEPARTMENT OF BASIC EDUCATION
PRIVATE BAG X895, PRETORIA 0001
2018 -11- 12
APPROVED MARKING GUIDELINE
PUBLIC EXAMINATION

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 $\left(5^2\right)^{-x}$	
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	• 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 and B) $=\frac{87}{280}$	✓ answer
8.2.2	$P(A \text{ or } B)'$ $=\frac{2}{7}$	✓ answer
8.2.3	P(A or B) – P(A and B) $=\frac{5}{7}-\frac{87}{280}$ $=\frac{113}{280}$	✓ answer

DEPARTMENT OF BASIC EDUCATION
PRIVATE BAG X895, PRETORIA 0001
2018 -11- 12
APPROVED MARKING GUIDELINE
NSC EXAMINATION