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**TO: DISTRICTS HEADS OF EXAMINATIONS  
PRINCIPALS OF SCHOOLS IN THE FET BAND**

**FROM: CES: INSTRUMENT DEVELOPMENT AND MODERATION SECTION  
MS N. MBELEKI**

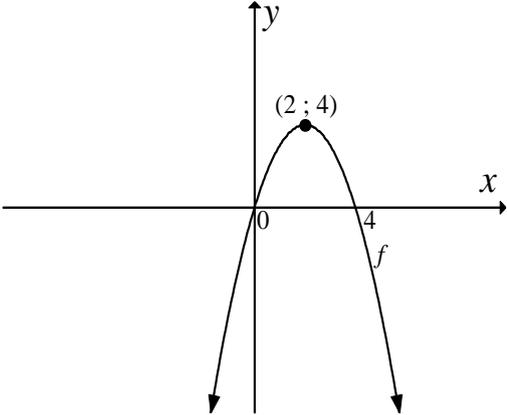
**SUBJECT: ERRATA – TECHNICAL MATHEMATICS P1, GRADE 12  
SEPTEMBER 2018**

**DATE: 17 SEPTEMBER 2018**

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The **Technical Mathematics Paper 1** (Grade 12 September 2018) was written on Friday, 14 September 2018. We were made aware of certain errors, amendments and omissions that were discovered during the marking process.

In order to address this and to ensure that learners are not disadvantaged, the following standardised approach to marking must be adopted across the Province. The following guidelines with regard to marking was prepared in conjunction with the examiner and moderator.

1.1	1.1.3	$(2x-1)(x-3) \geq 0$ (the inequality sign remains unchanged).	No mark to be awarded	
1.3	substitute $x = -1$ $y = (-1)^2 - (-1)$ $y = 2$		$\checkmark y = 2$	
7.4			$\checkmark$ Shape $\checkmark$ x-intercepts $\checkmark$ y-intercept $\checkmark$ Turning point (2 ; 4)	(4)
7.5	$y \leq 4$ or $y \in (-\infty; 4]$		$\checkmark$ Accurate answer	(1)
11.2	$A_1 = -\int_1^3 (x^3 - 3x^2 - x + 3) dx$ $= -(-4)$ $= 4$ $A_2 = \int_{-1}^1 (x^3 - 3x^2 - x + 3) dx$ $= 4$ $\therefore A_1 + A_2 = 4 + 4$ $= 8 \text{ square units}$		Mark allocation follow the marking guide $\checkmark A_1 = 4$ $\checkmark A_2 = 4$ $\checkmark$ Area = 8 sq. units	

We request that this should be brought to the attention of all educators marking these papers and sincerely apologise for the inconvenience.

Yours in education.



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**MS N. MBELEKI**

17 September 2018

**DATE**