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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 – MATHEMATICS P1 GRADE 12 SEPTEMBER 2018

DATE: 20 SEPTEMBER 2018

The Technical Mathematics P2 Grade 12 September was written on Monday, 17 September 2018. We were made aware of certain 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.

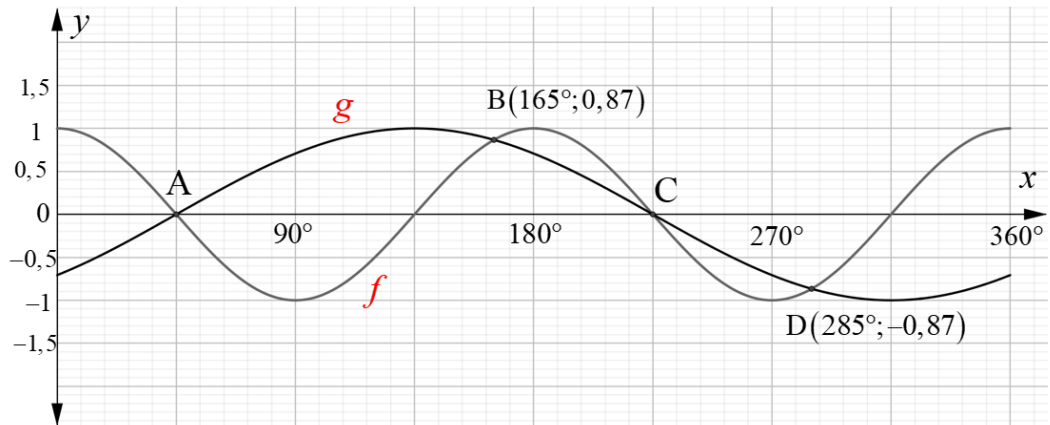
ERRATA

3.1.2	Final answer: $-\frac{5}{8} = -0,625$	
4.1	Accept the following answers: $AH^2 = 100^2 + 291^2$ (Pyth) $AH \approx 307$ m <p style="text-align: center;">OR</p> $AH = \frac{291}{\cos 24,5^\circ}$ $AH \approx 320$ m	
4.3	$AB^2 = AC^2 + BC^2 - 2AC \times BC \cos \hat{A}CB$ $= 291^2 + 261^2 - 2 \times 291 \times 261 \times \cos 105^\circ$ $= 192117,13$ $AB = 438,311\dots$ ≈ 438 m	

4.4	$\text{Area } \triangle ABC = \frac{1}{2} ab \sin C$ $= \frac{1}{2} \times 261 \times 291 \times \sin 105^\circ$ $= 36681,516..$ $\approx 36682 \text{ m}^2$	
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QUESTION 5 – ERRATA

The graphs were incorrectly labelled in the memorandum



5.3	$0^\circ < x < 135$	✓A End points/ <i>einde punte</i> ✓A Notation / <i>notasie</i> (2)
5.4	$0^\circ \leq x < 45^\circ$ and $165^\circ < x < 225^\circ$ and $285^\circ < x \leq 360^\circ$	✓A ✓A ✓A each interval / <i>elke interval</i> ✓A 0° & 360° included/ <i>ingesluit</i> (4)

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

Yours in education.

MS N. MBELEKI

20 September 2018
DATE