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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 2017

DATE: 18 SEPTEMBER 2017

The Mathematics P1 Grade 12 September was written on Friday, 15 September 2017. 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

5.5	$P\left(-\frac{3}{2}; -\frac{9}{4}\right)$ $\left(-\frac{3}{2} + 2; -\frac{9}{4}\right)$ $\left(\frac{1}{2}; -\frac{9}{4}\right)$ <p>or/of</p> $f(x-2) = (x-2)(x-2+3)$ $f(x-2) = x^2 - x - 2$ $x = -\frac{(-1)}{2(1)}$ $x = \frac{1}{2}$	<p>✓✓ answer/antwoord</p> <p>✓ $f(x-2) = x^2 - x - 2$</p> <p>✓ $x = \frac{1}{2}$</p> <p>(2)</p>
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6.2	$q(x) = -2^{-x}$	✓ answer/antwoord (1)
6.4	$y > 0; y \in R$	(1)
6.5	See 6.1/ sien 6.1	✓✓ shape and x -intercept/vorm en x -afsnit (2)
10.2	$V = 2x \times x \times \left(\frac{81}{2x} - \frac{2x}{3}\right)$ $V = 81x - \frac{4}{3}x^3$	✓✓ sub. into volume formula/ vervang in volume formule (2)
10.3	$\frac{dV}{dx} = 81 - 4x^2$ $81 - 4x^2 = 0$ $x^2 = \frac{81}{4}$ $x = \frac{9}{2} = 4.5$	✓ $81 - 4x^2$ ✓ $x^2 = \frac{81}{4}$ ✓ answer/antwoord (3)

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

18 September 2017

DATE