



Assessment and Examination Directorate  
Steve Vukile Tshwete Complex , Private Bag X0032, Zwelistsha, 5605  
REPUBLIC OF SOUTH AFRICA, Website: [www.ecdoe.gov.za](http://www.ecdoe.gov.za)  
E-mail: Nomvuyo.Mbeleki@edu.ecprov.gov.za

Ref. No. 13/P

Enquiries: Ms N. Mbeleki

Tel.: (043) 604 7708/082 391 1342

Fax: 043 604 7789

**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><b>or/of</b></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>✓ <math>f(x-2) = x^2 - x - 2</math></p> <p>✓ <math>x = \frac{1}{2}</math></p> <p>(2)</p>
-----	---	---

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**