basic education

Department:
Basic Education
REPUBLIC OF SOUTH AFRICA

AMENDMENTS TO EXAMINATION GUIDELINES

MATHEMATICS

GRADE 12

2010

The Department of Basic Education (DBE) would like to draw your attention to the following amendments to the Examination Guidelines for Mathematics for the November 2010 and March 2011 NSC examinations. These amendments must be used in conjunction with the Examination Guidelines for 2009. The details of the amendment are as follows:

AMENDMENTS TO EXAMINATION GUIDELINES – MATHEMATICS GRADE 12 2010

	REFERENCE	CHANGES
EXAM GUIDELINES	Functions 11.2.2 Page 10	All aspects relating to Trigonometric graphs will be tested in **Paper 2 only**. Note: 'Modelling as a process (solving real life problems) will be tested across the Mathematics curriculum'
	Calculus 12.2.7 Page 13	• Include derivative from first principles of the following functions : $f(x) = \frac{a}{x}$ and $f(x) = ax^3$. These functions are in the SAG document but not clearly stated in the examinations guideline document. Also the restriction on "a" needs to be removed. • Change notation : $\frac{dy}{dx}$ to $\frac{dy}{dx}$
	Analytical Geometry Page 15	Properties of the geometric figures are to be known by learners and their applications can be tested in Analytical Geometry. ***Please include 10.3.2 in the examination guideline (this is taken from the optional Assessment Standards.*** (a) Through investigations, produce conjectures and generalizations related to triangles, quadrilaterals and other polygons, and attempt to validate, justify and explain, using any logical method (co-ordinate and/or transformation). Include under the examples: Isosceles & Equilateral & right-angled Triangles, the kite, parallelogram, rectangle, rhombus and square