USING A CASIO SCIENTIFIC CALCULATOR TO ASSIST IN PLOTTING GRAPHS

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CASIO

TARGET AUDIENCE: Grade 10, 11, 12 mathematics educators

DURATION: 1 hour

MAXIMUM NO. OF PARTICIPANTS: 50

MOTIVATION

The CASIO FX82ZA- Plus Scientific Calculator has a dual table function. This can be used by learners and educators in the classroom, during tests and exams. The table mode will assist the learners with graph work and basic financial maths calculations.

CONTENT

In this workshop we will be focussing on graph work. Finding the co-ordinates of various graphs (straight lines, parabolas, hyperbolas and trig graphs). Turning points and points of intersection will also be covered.

ABSTRACT

This workshop will be aimed at increasing the knowledge and ability of FET educators to use the dual table function on the Casio Fx82ZA- Plus Calculator to assist in plotting various graphs (Trig graphs, parabolas, hyperbolas and straight line graphs). This will enable educators to have a better understanding of the functions and therefore making teaching and learning an easier task. This workshop will be a hands on and interactive session so it is advisable that an Fx82ZA- Plus Calculator is brought to the session.

Izaaks, L. (2013). Using a Casio scientific calculator to assist in plotting graphs. In Z. Davis & S. Jaffer (Eds.), *Proceedings of the 19th Annual Congress of the Association for Mathematics Education of South Africa*, Vol. 2. (p. 33). Cape Town: AMESA.