



CHIEF MARKER'S REPORT

SUBJECT:	MATHS & MATHS SCIENCE		
GRADE:	ABET LEVEL 4	PAPER:	I

1. ANALYSIS OF QUESTION BY QUESTION PERFORMANCE

QUESTION 1

Answered exceptionally well by majority of learners – good performance.

QUESTION 2

Average performance – some learners have a problem with the input values, that is the flow chart (2:1:1). Some cannot interpret the graph and fail to read the instructions in the questions below the graph.

QUESTION 3

This has an easy question based on the Theorem of Pythagoras. In this question some learners cannot apply the formula and also did not read the instruction for rounding off to one decimal point. There was average performance in this question.

QUESTION 4

Equations – average performance in this question. Some performed poorly because they could not interpret the question itself. The language (English) issue also poses a problem. The question wanted them to use the given information to determine an equation in terms of x .

QUESTION 5

Average performance in this question. Some have a problem with geometry. They were given formula $A=L*B$ as a guide and did not divide the area but multiplied the area to get breadth (b).

Some cannot multiply a polynomial by a monomial and raise a power to a power e.g. $a(a^2 - 2b^2 + c)$ must be equal to $a^3 - 2a*b^2 + a*c$. Cannot divide terms (exponents) the same base e.g. $3m^2/m^3 = 3/m$. Some cannot factorise and cannot recognise the difference of two squares.

QUESTION 6

GEOMETRIC SHAPES AND TRANSFORMATIONS. Average performance though some learners cannot identify shapes in the picture. Some show lack of knowledge of kinds of transformations and rotations.

