

GRADE 9 MATHEMATICS NOVEMBER EXAMINATION PAPER 2

QUESTION 1

- 1.1 Draw a rhombus and indicate all properties in mathematical language. (5)
- 1.2 Choose the correct answer and write only the LETTER on your answer sheet.
 - 1.2.1 Which of the following statements is NOT true about a kite?
 - A. The longer diagonal bisects the shorter diagonal at 90"
 - 8 The shorter diagonal bisects the longer diagonal at 90"
 - C Diagonals bleed each other
 - D. Diagonals are equal.
 - 1.2.2 An isosceles triangle has a top angle of 70°. The individual value of the equal angles will be:
 - A 60°
 - 0.195
 - C 70*
 - 0 657
 - 123 Atrombtion h:
 - A. Any horizontal or vertical change in position of a shape.
 - 8 A mirror image of the original position.
 - C. An enlargement of the original shape.
 - D. A reduction of the original shape.

12.4 What is the length of AC in the figure below:



- A. Michigan
- B. Blem
- C. Diem.
- D. Som
- 1.2.5 A point on a shape has coordinates (-2; I), what would the new coordinates be after a y ≡ -4 reflection
 - A (3) -2).
 - 0 (2.3%
 - 0 (-3/2).
 - 0 (3/2)

650

iai.

QUESTION 2: GEOMETRY

207 444

Use the following structure to answer this question:

Statement:	Reason:
, Progressions	1. 11/2/2007

2.1 In the diagram below ASE = 65° and DCF = 12°



2.1.1 Calculate the size of BAC. Give reasons and show your calculations.

- (3)

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