

**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  $90^\circ$
- B. The shorter diagonal bisects the longer diagonal at  $90^\circ$
- C. Diagonals bisect each other
- D. Diagonals are equal

1.2.2 An isosceles triangle has a top angle of  $70^\circ$ . The individual value of the equal angles will be:

- A.  $60^\circ$
- B.  $55^\circ$
- C.  $70^\circ$
- D.  $65^\circ$

1.2.3 A translation is:

- A. Any horizontal or vertical change in position of a shape.
- B. A mirror image of the original position.
- C. An enlargement of the original shape.
- D. A reduction of the original shape.

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



- A. 16cm
- B. 15cm
- C. 13cm
- D. 5cm

1.2.5 A point on a shape has coordinates  $(-2; 3)$ , what would the new coordinates be after a  $y' = -x$  reflection

- A.  $(3; -2)$
- B.  $(2; 3)$
- C.  $(-3; 2)$
- D.  $(3; 2)$

(9)  
 (10)

**QUESTION 2: GEOMETRY**

Use the following structure to answer this question:

Statement:	Reason:
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2.1 In the diagram below  $\angle ASE = 65^\circ$  and  $\angle DCF = 32^\circ$



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

(3)

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web jan 30 2013 pengolahan limbah karet bab i pendahuluan 1 1 latar belakang limbah merupakan hasil sisa dari sebuah proses yang tidak dapat digunakan kembali apabila limbah ini terlalu banyak dilingkungan maka akan berdampak pada pencemaran lingkungan dan berdampak pada kesehatan dari masyarakat sekitar

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web mar 25 2014 baku mutu limbah cair pabrik karet no parameter kadar maksimum mg l bahan pencemaran maksimum kg ton 1 bod5 150 6 0 2 cod 300 12 0 3 tss 150 6 0 4 amonia total sebagai nh3 n 10 0 4 5 ph 6 0 9 0 6 debit limbah maksimum gambar 8 skema pengolahan limbah pabrik lateks

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web pengolahan limbah cair karet dapat dilakukan dengan menggunakan sistem pengolahan limbah pemisahan zat padat dari air limbah untuk mereduksi partikel tersuspensi dan koloid yang terkandung pada air limbah dengan cara melewatkannya pada media filter 6 sehingga dipilih pengolahan dengan biosand filter dengan karbon aktif

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