



NAME OF LEARNER:

MATHEMATICS CLASS TEST: 12 September 2025

GRADE 9

MARKS: 5

DURATION: 20 MINUTES

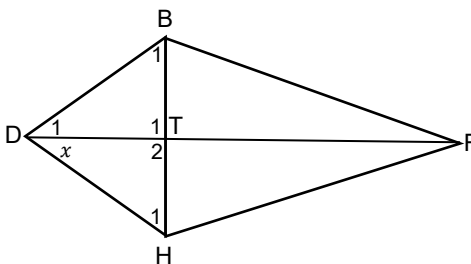
This test consists of 6 pages, including the cover page.

Instructions and information for the learner	
1.	Read the questions carefully.
2.	Answer ALL the questions.
3.	Circle only the letter for the correct answer , e.g. If the correct answer in 1. is D, you should only circle (D)
4.	Show how you arrived at the answer in the space provided. N.B. No mark will be awarded without any calculation
5.	There is only one correct answer in each question.
6.	This question paper consists of 5 questions.
7.	Diagrams are NOT drawn to scale.

1. In a quadrilateral, each of the two angles has a size of 115° . If the size of a third angle is 70° . What is the measure of the remaining angle? (1)

- A 60°
- B 70°
- C 130°
- D 140°

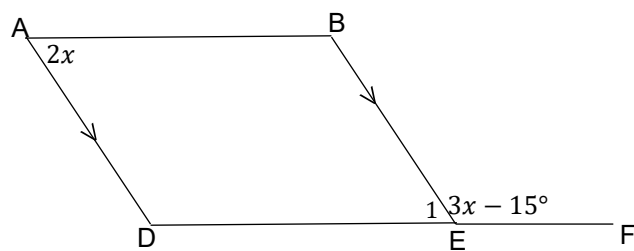
2. DBFH is a kite with DF and BH intersecting at T. $\widehat{FDH} = \widehat{FDB} = x$ and $\widehat{FTB} = 90^\circ$



What is the size of $\widehat{B}_1$ in terms of x ? (1)

- A $\widehat{B}_1 = 180^\circ - 2x$
- B $\widehat{B}_1 = 180^\circ - x$
- C $\widehat{B}_1 = 90^\circ - 2x$
- D $\widehat{B}_1 = 90^\circ - x$

3. ABED is a parallelogram, $\angle BEF = 3x - 15^\circ$ and $\angle A = 2x$.



What is the size of $\angle A$?

(1)

A 15°

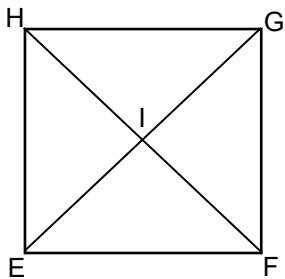
B 39°

C 65°

D 78°

4. In square EFGH below, $\angle HIG = 90^\circ$.

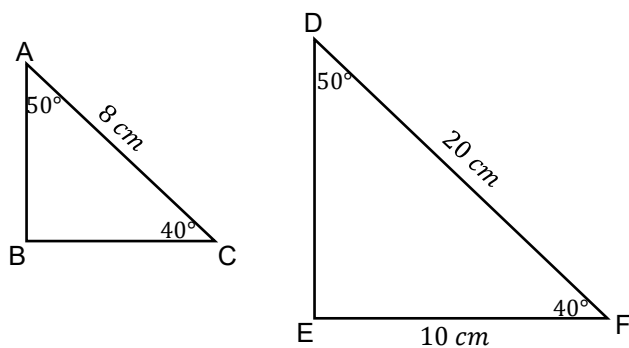
(1)



Which of the following statements is FALSE?

- A $\triangle EIF$ and $\triangle EIH$ are congruent.
- B $\triangle GHI$ and $\triangle GHF$ are congruent.
- C $\triangle EFH$ and $\triangle EGH$ are congruent.
- D $\triangle EIF$ and $\triangle GIH$ are congruent.

5. In the figures below, $\hat{A} = \hat{D} = 50^\circ$ and $\hat{C} = \hat{F} = 40^\circ$



What is the length of BC in triangle ABC?

(1)

- A 2 cm
- B 4 cm
- C 12 cm
- D 16 cm

END