1

[2012]

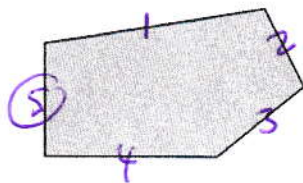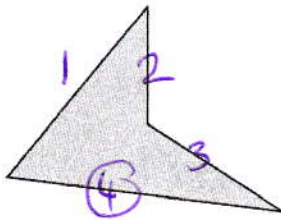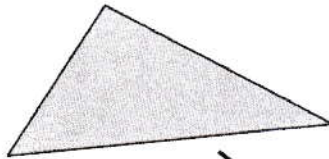Match each shape to the correct name.

One has been done for you.
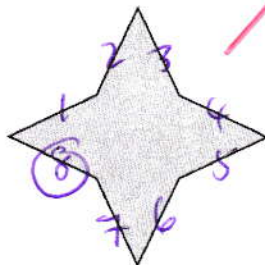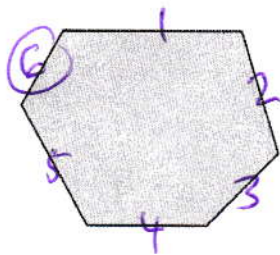
pentagon   (5 SIDES)

triangle   (3 SIDES)

octagon   (8 SIDES)

quadrilateral   (4 SIDES)
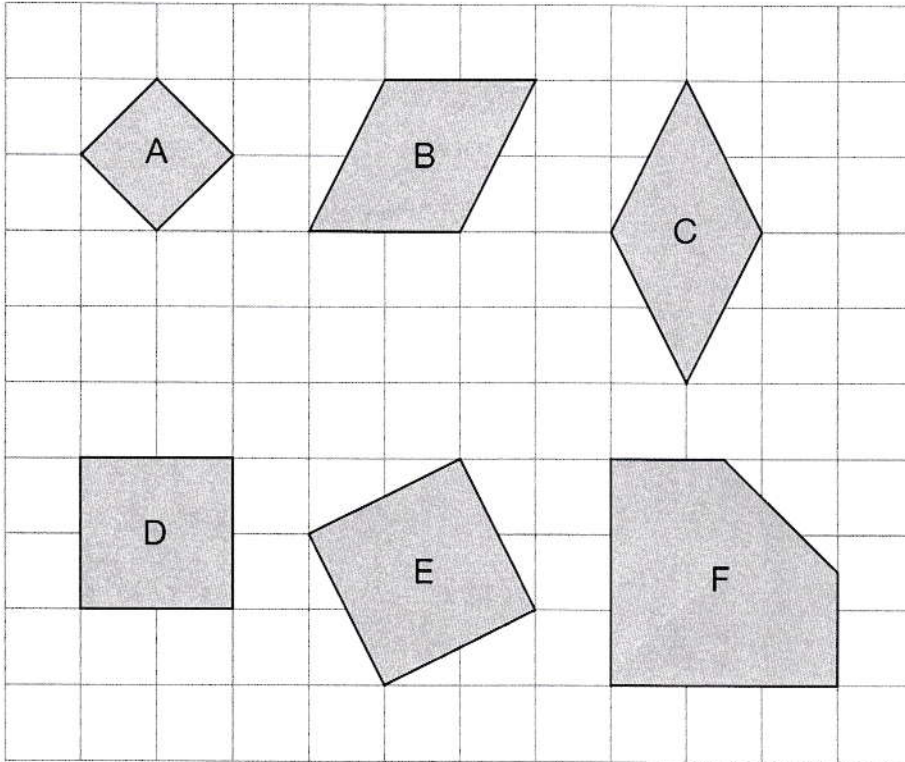
hexagon   (6 SIDES)

[2 marks]

2 Here are six shapes on a square grid.

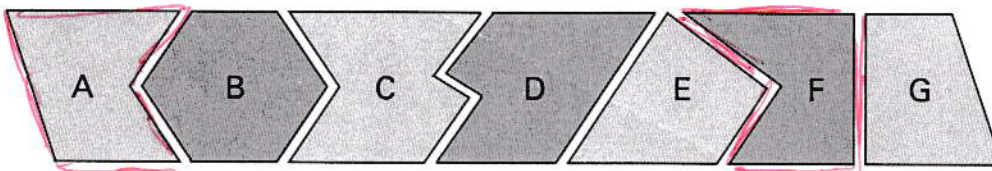

Write the letters of **all** the shapes that are squares.

A, D, E

[1 mark]

3 Here are seven shapes.

Write the letters of the two shapes which are **pentagons**.
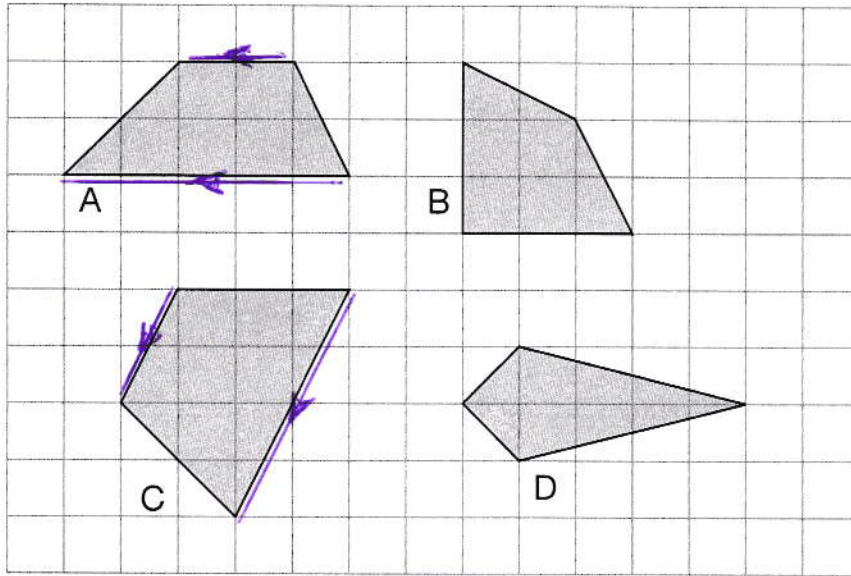
→ 5 SIDES

A and F

[1 mark]

4

[2007]

Here are some shapes on a grid.

TRAPEZIUM

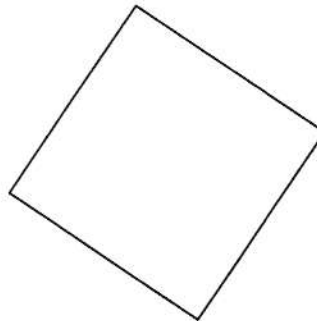Write the letter of each shape that has one pair of parallel sides.

A AND C

[1 mark]

5

[Extra]

Look at this shape.

Complete the sentences.

The shape is a square so the sides must be ..... EQUAL IN LENGTH

The shape is a square so the angles must be ..... RIGHT-ANGLES (90°)

[1 mark]

6

[2008]

A square always has four sides.

Is it true that a four-sided shape is **always** a square?

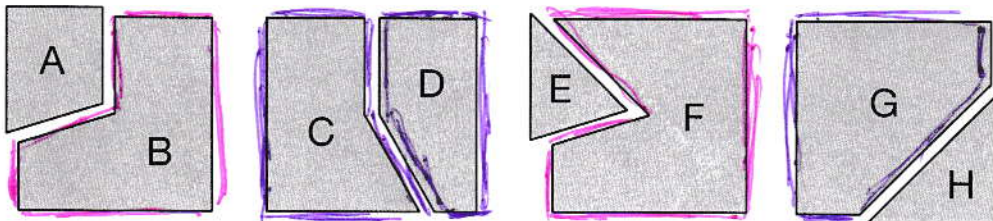Circle **Yes** or **No**.

Yes / (No)

Explain how you know.

BECAUSE A TRAPEZIUM HAS FOUR SIDES, BUT IT IS NOT A SQUARE

[1 mark]

7

[2010]

Each of these four squares has been cut into two new shapes.

Write the letters of all the new shapes that are **hexagons**. → 6 SIDES

B, F

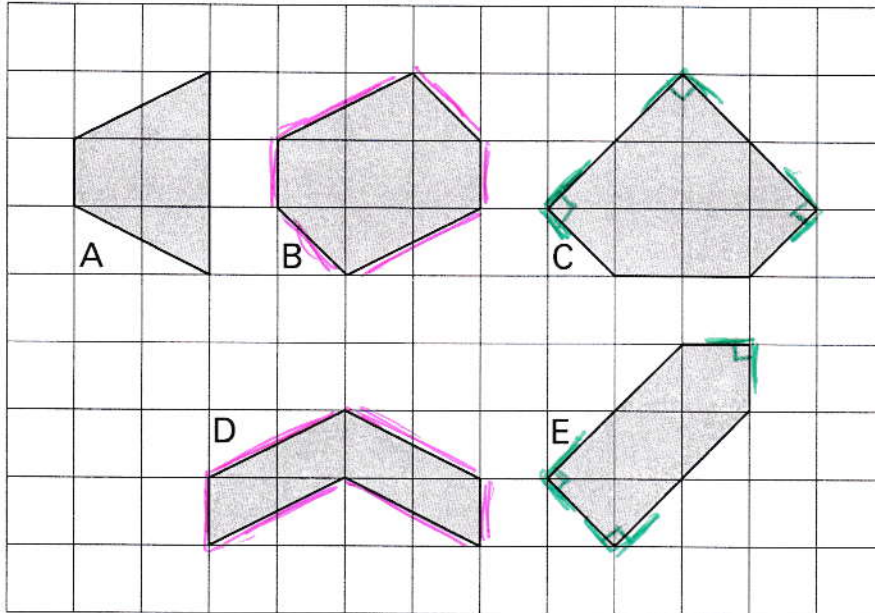Write the letters of all the new shapes that are **pentagons** → 5 SIDES

C, D, G

[2 marks]

Here are some shaded shapes on a square grid.

6 SIDES

Write the letters of the **two** shapes which are hexagons.

.......B....... and ....D.........

Write the letters of the **two** shapes which have **right angles.**

.......C....... and ....E.........

[2 marks]

Put ticks (✓) and crosses (✗) on the chart to complete it correctly.
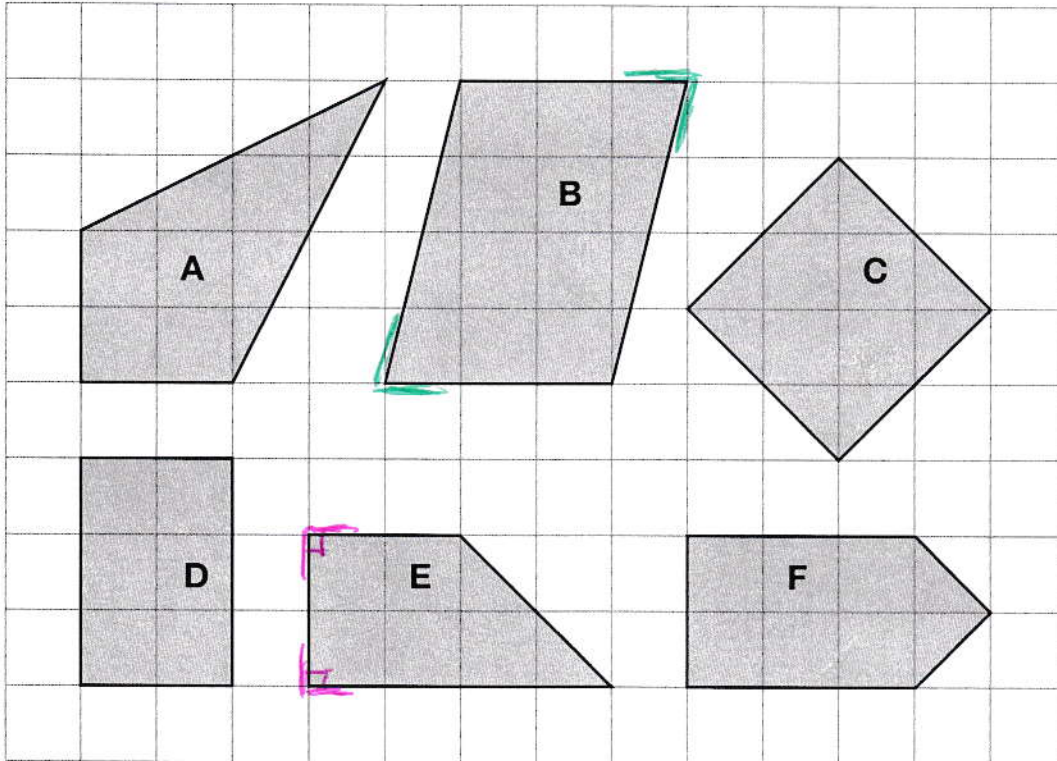
[2006]

One has been done for you.

Shape	It is a quadrilateral	It has one or more right angles
	✗	✓
	✓	✓
	✓	✗
	✗	✓

[2 marks]

Look at these shapes.

Complete the sentences below.

One has been done for you.

_____A_____ is a kite

_____F_____ is not a quadrilateral

_____E_____ has only 2 right angles

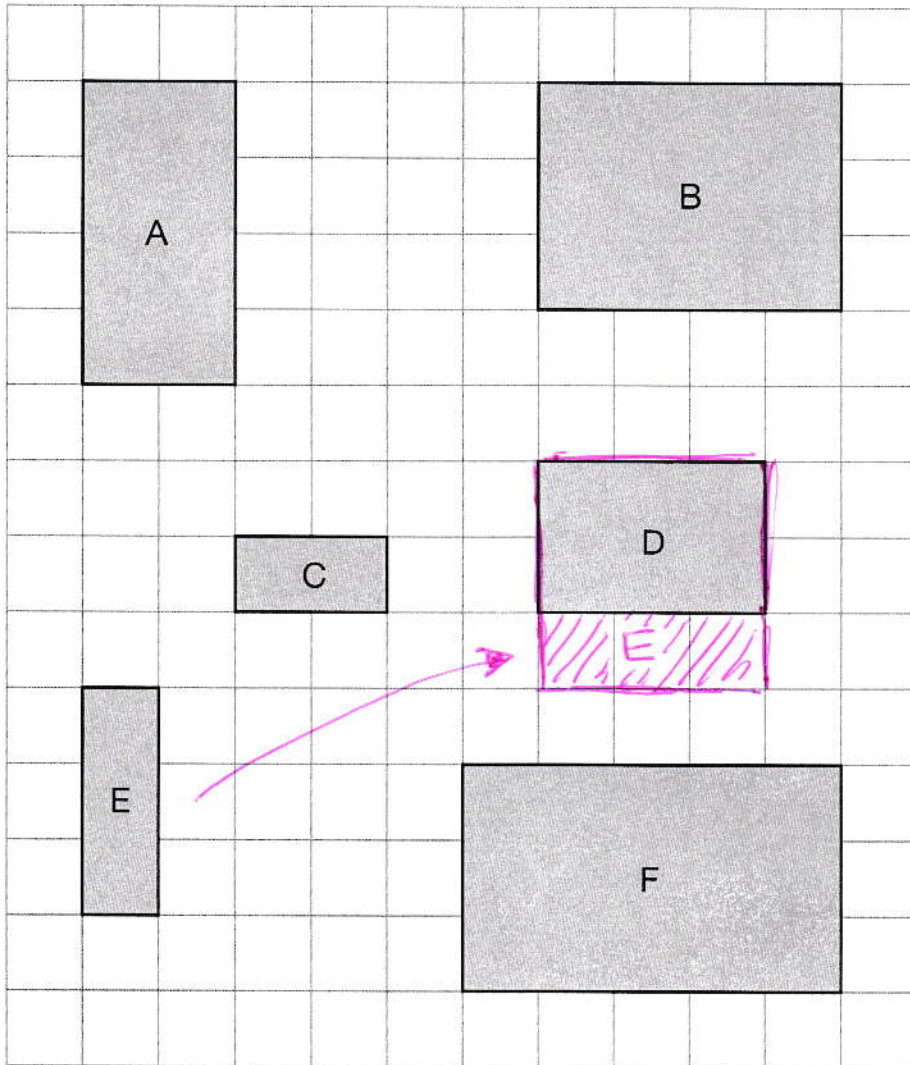_____B_____ has 2 acute angles

[2 marks]

Here are six rectangles on a grid.

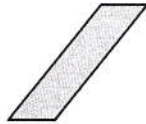Which **two** rectangles fit together, without overlapping, to make a **square**?

✏ _____D_____ and _____E_____

[1 mark]

12

[2009]

Here are six quadrilaterals with their mathematical names.

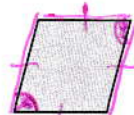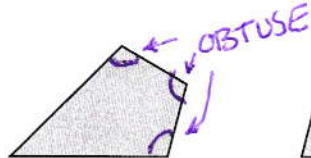square   parallelogram   rhombus

oblong   kite   trapezium

OBTUSE

Lara chooses one of the quadrilaterals.

She says,

> 'It has two acute angles.
> All four sides are the same length'.

Which quadrilateral did Lara choose?

RHOMBUS

Stefan chooses one of the quadrilaterals.

He says,

> 'It has more than one obtuse angle.
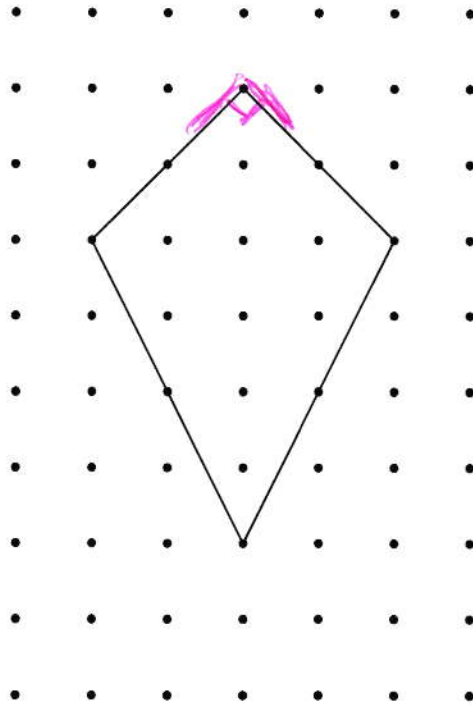> It has no parallel sides'.

Which quadrilateral did Stefan choose?

KITE

[2 marks]

Here is a shape on a grid.

For each statement, put a tick (✓) if it is true.
Put a cross (✗) if it is not true.

The shape is a quadrilateral.　　　　　✓

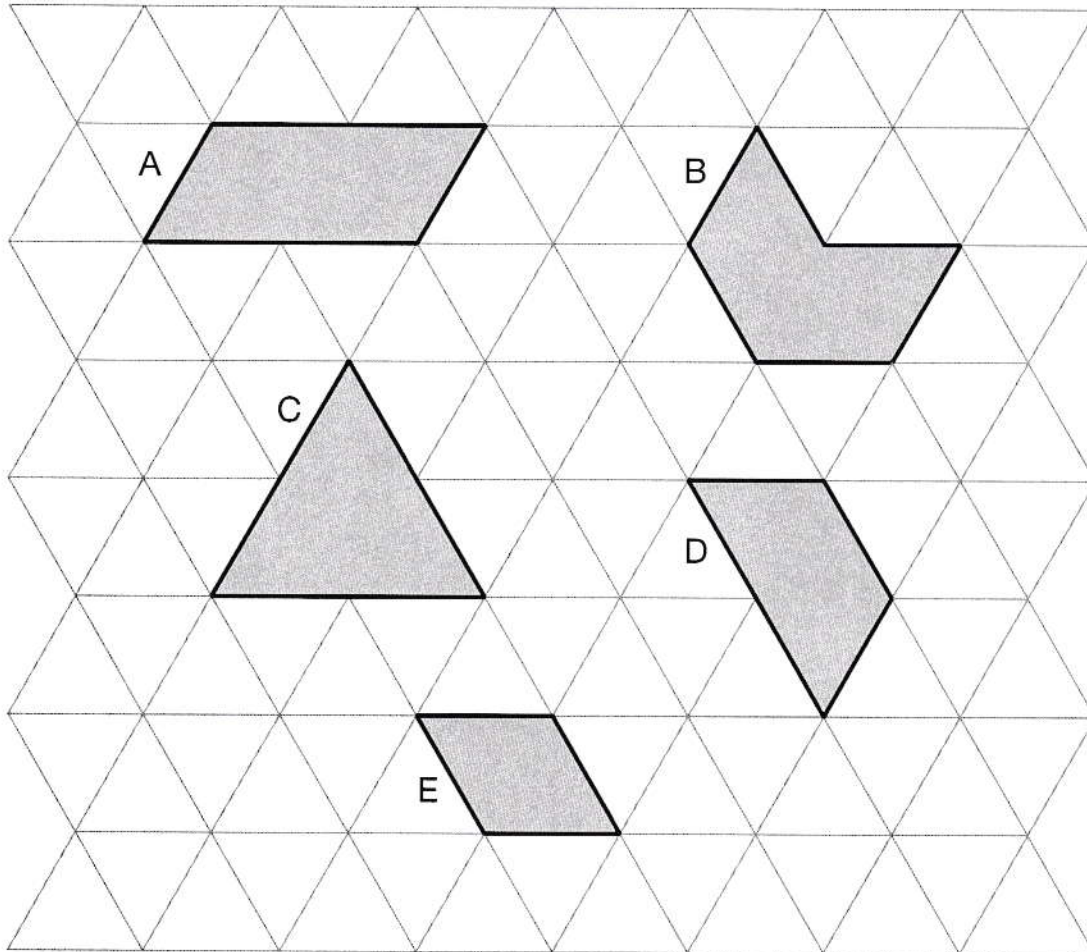The shape has 2 lines of symmetry.　　　✗

The shape is a parallelogram.　　　　　✗

The shape has one right angle.　　　　　✓

[2 marks]

14

Here are five shapes made from equilateral triangles.

Write the letter of the shape that is a **rhombus**.

E

TRAPEZIUM

Write the letter of the shape that has only **one** pair of parallel sides.
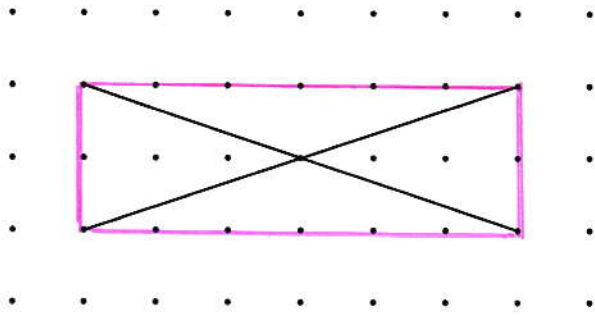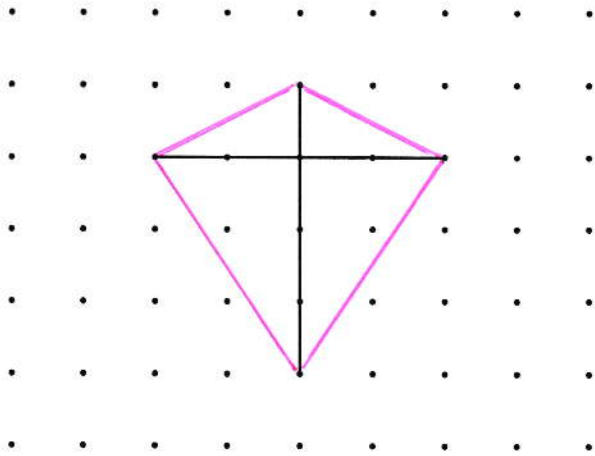
D

[2 marks]

15

[2003]

These diagrams show the **diagonals** of three **quadrilaterals**.
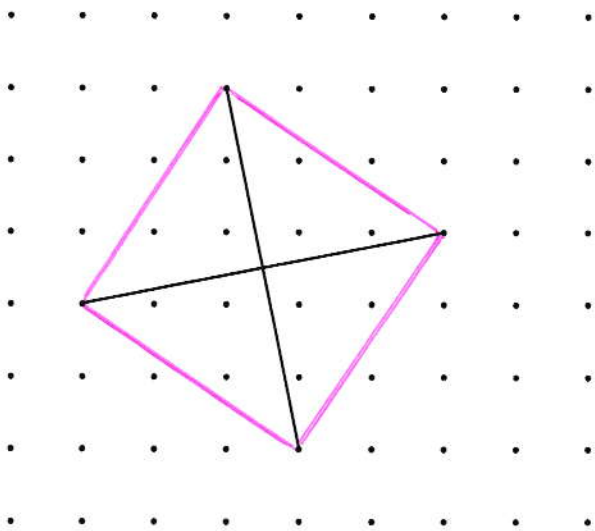
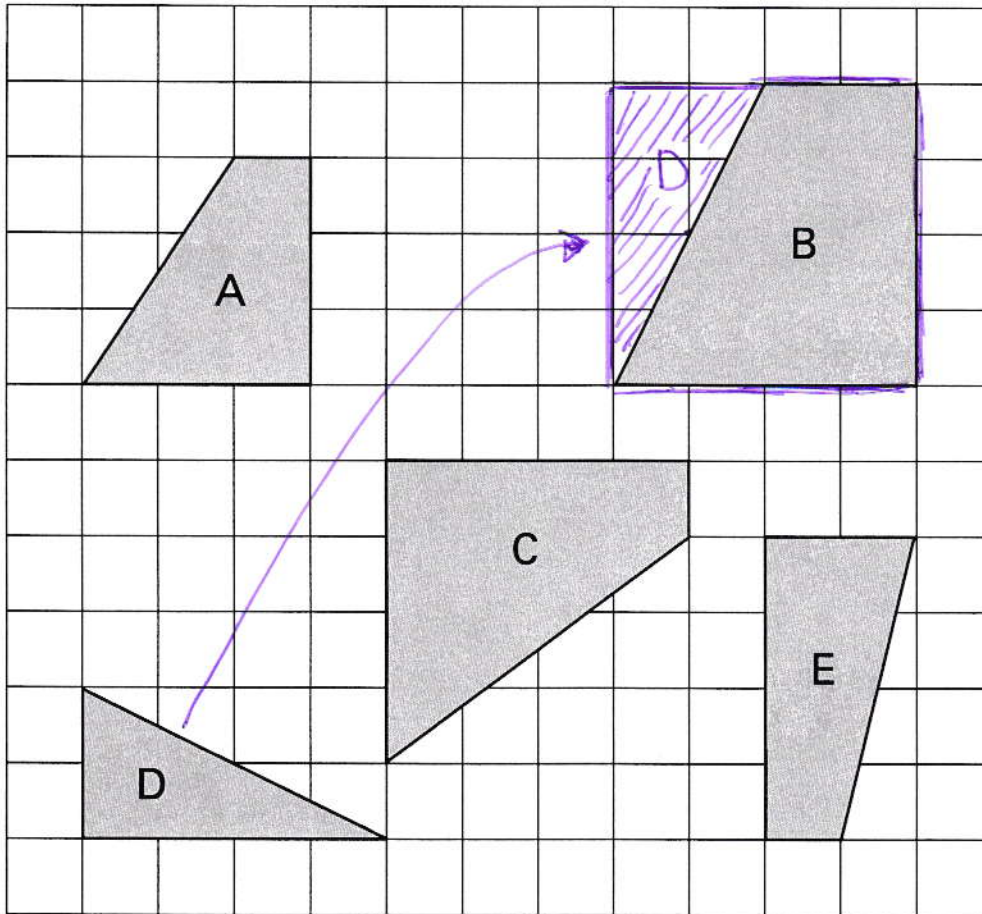Write the names of the quadrilaterals in the boxes.

RECTANGLE

KITE

SQUARE

[3 marks]

16

Here are five shapes on a square grid.

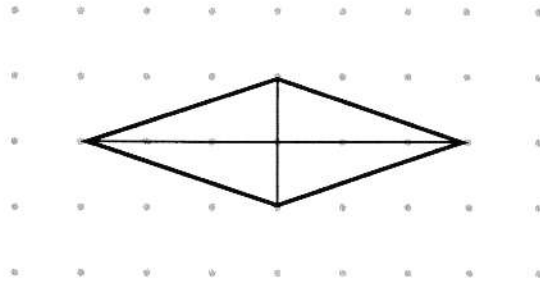Which **two** shapes fit together to make a **square**?

.....B.... and .....D....

[1 mark]
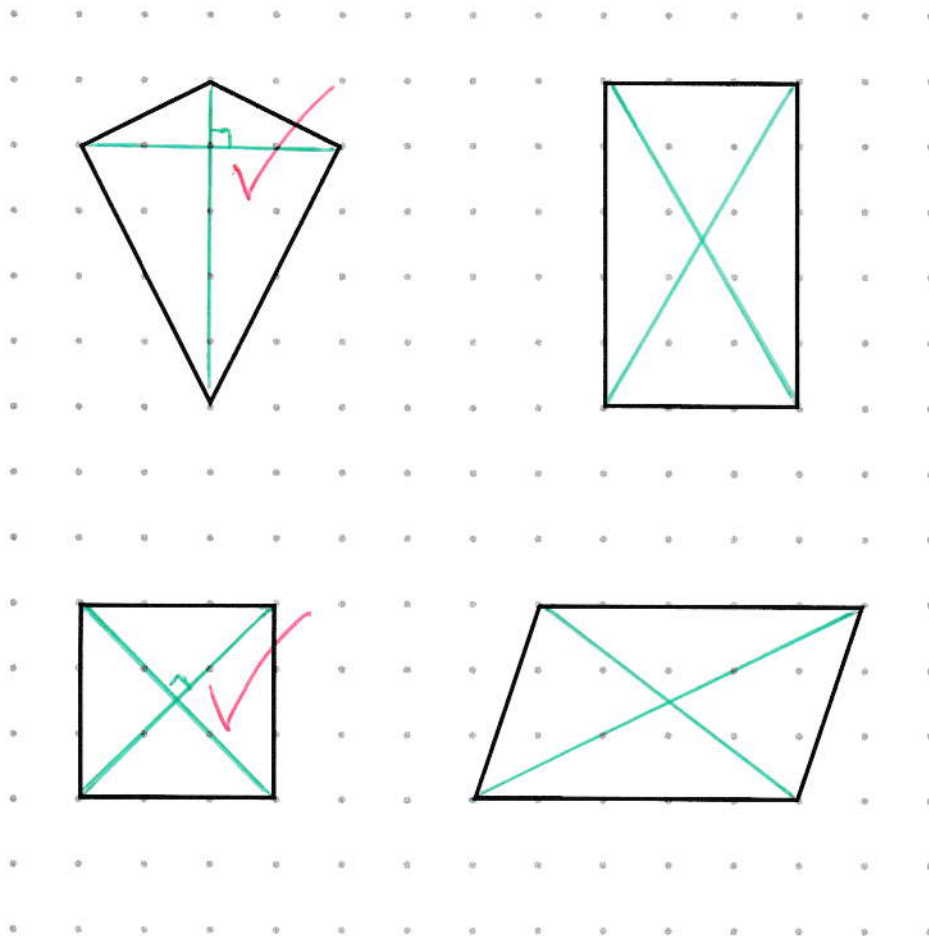
The diagonals of this quadrilateral cross at right angles.
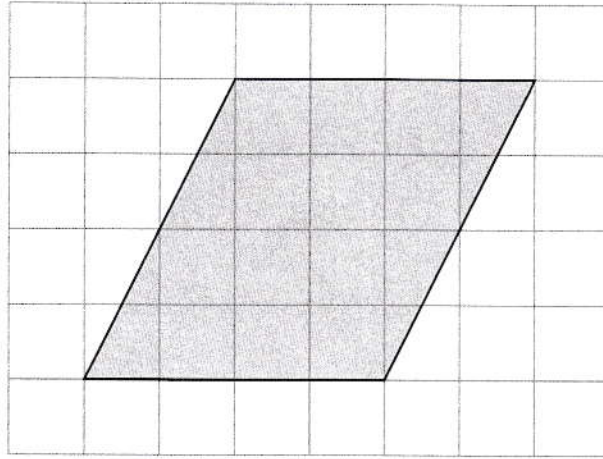

Tick **all** the quadrilaterals that have diagonals which cross at right angles.

[2 marks]

Look at the shaded shape on the square grid.

[PARALLELOGRAM]

For each statement below, tick (✓) to show if it is True or False.

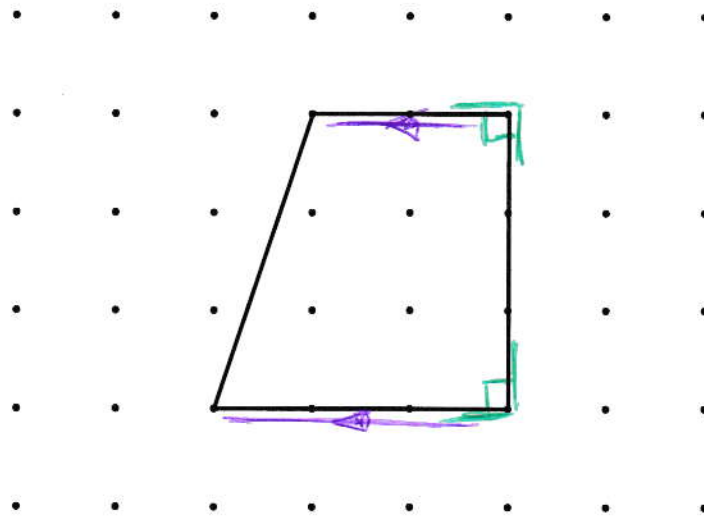|	True	False
The shaded shape is a quadrilateral.	✓	
The shaded shape has four equal sides.		✓
The shaded shape has four equal angles.		✓
The shaded shape has two pairs of parallel sides.	✓	

[2 marks]

Look at the shape drawn on the square grid.

For each statement below, tick (✓) True or False.

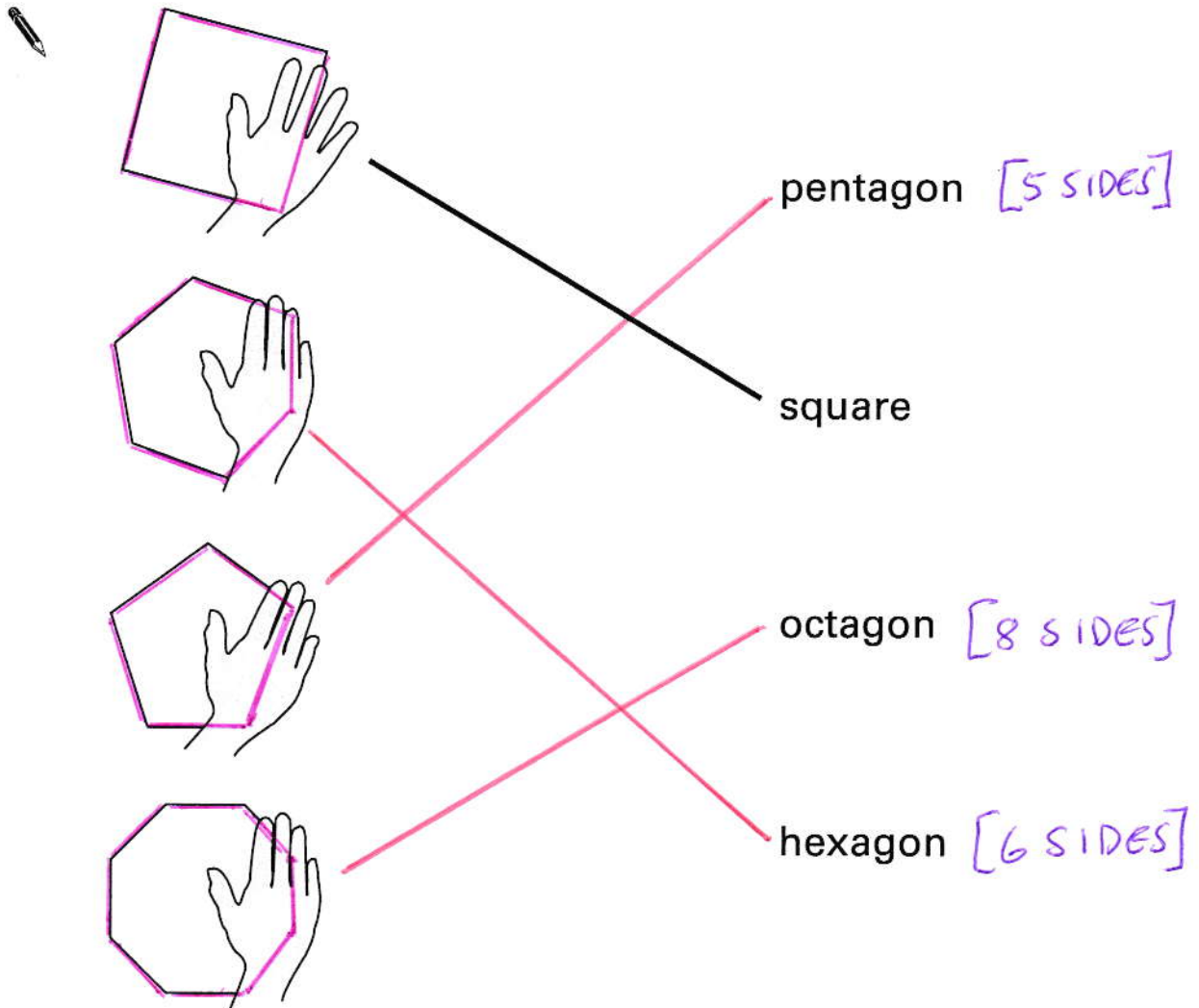|	True	False
The shape has exactly 2 right angles.	✓	
The shape has 2 pairs of parallel lines. [ONE PAIR]		✓
The shape has one line of symmetry. [NONE!]		✓
The shape is a quadrilateral.	✓	

[2 marks]

20

Here are some **regular** 2-D shapes.

A hand hides part of each one.

Match each **regular** shape to its name.

One has been done for you.

pentagon [5 SIDES]

square

octagon [8 SIDES]

hexagon [6 SIDES]
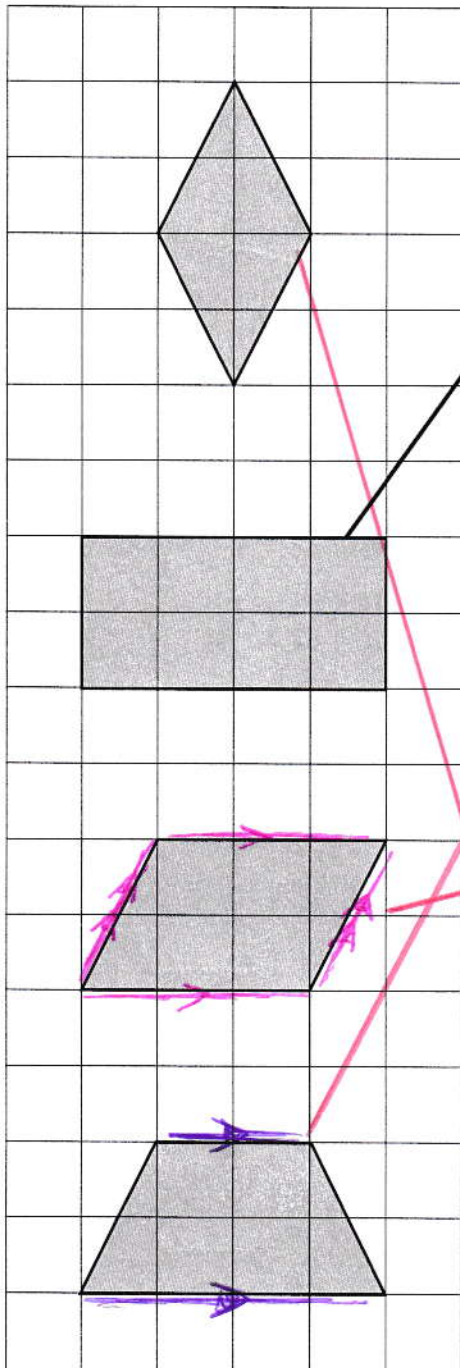
[2 marks]

Match each quadrilateral to the correct description.

One has been done for you.

2 pairs of sides equal in length.
4 right angles.

Only 1 pair of parallel sides.

[TRAPEZIUM]

Opposite sides are parallel.
It has no lines of symmetry.

[PARALLELOGRAM]

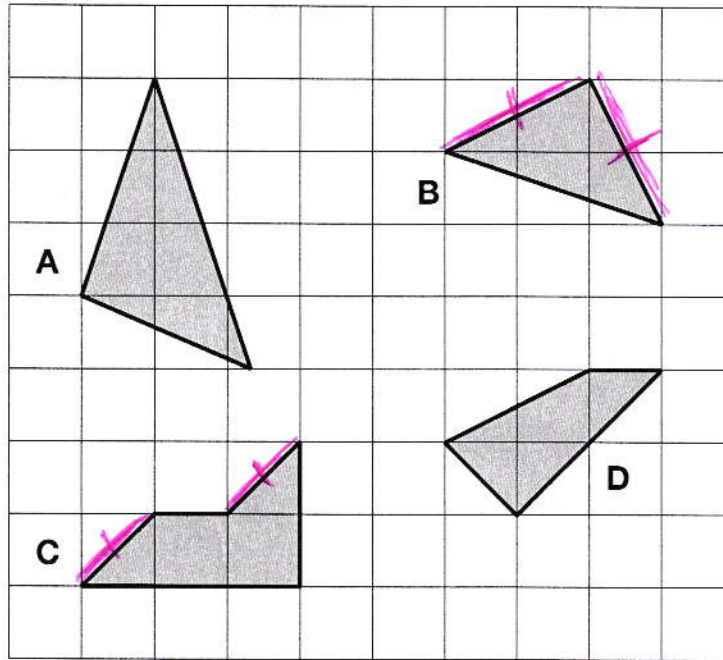4 sides of equal length.
Opposite angles are equal.

[RHOMBUS]

[2 marks]

22

Here are four shapes on a square grid.

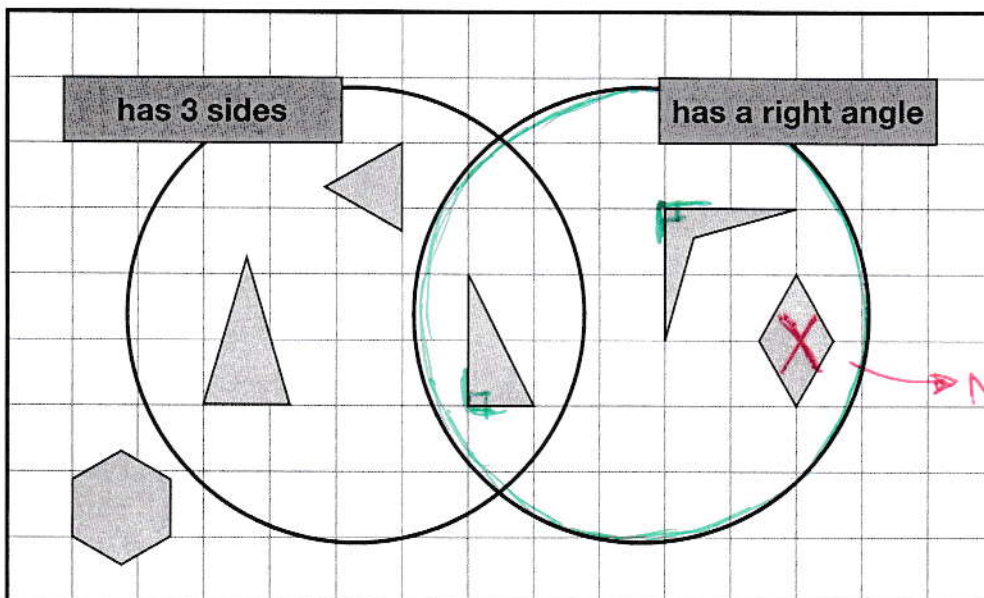Write the letters of all the shapes that have exactly two sides which are equal in length.

_____B, C_____

[1 mark]

23

Here is a diagram for sorting shapes.

One of the shapes is in the wrong place. Put a cross (**✗**) on it.

has 3 sides   has a right angle

➤NO RIGHT-ANGLE

[1 mark]