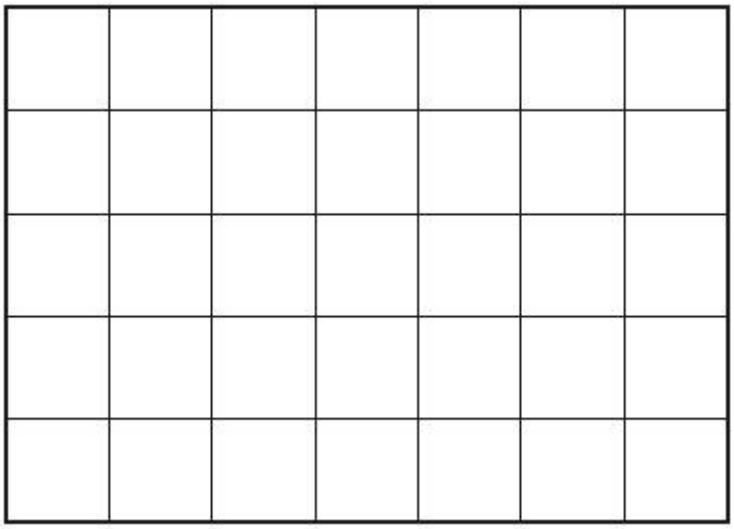
Q1.

Adam has this rectangular piece of card. It is marked with grid lines.



Adam makes two straight cuts along the grid lines.

The two cuts divide the rectangle into 3 shapes:

- 2 squares of **different** size, and
- 1 rectangle.

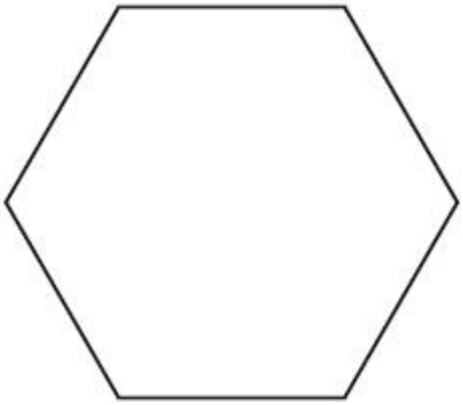
Draw out the grid lines from above into your book. Then draw **two** lines that show where Adam could have made his cuts.

Use a ruler.

Q2.

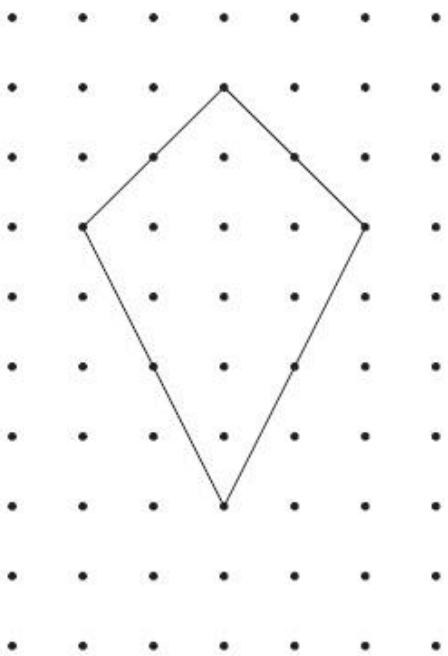
Here is a hexagon. Quickly sketch one in your book.

Draw **two** straight lines across the hexagon to make two triangles and two quadrilaterals.



Q3.

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. ☐

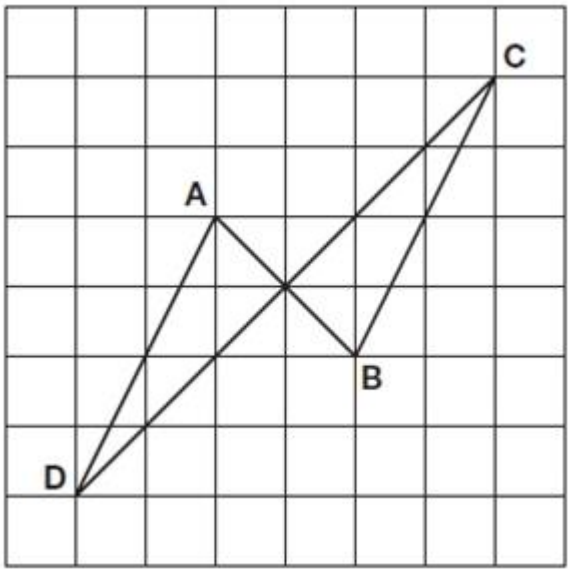
The shape is a parallelogram. ☐

The shape has one right angle. ☐

Q4.

The diagram shows four lines drawn on a square grid.

The lines are **AB**, **BC**, **CD** and **DA**.



Which two of the lines are **parallel**?
Circle them in the list below.

AB BC CD DA

1 mark

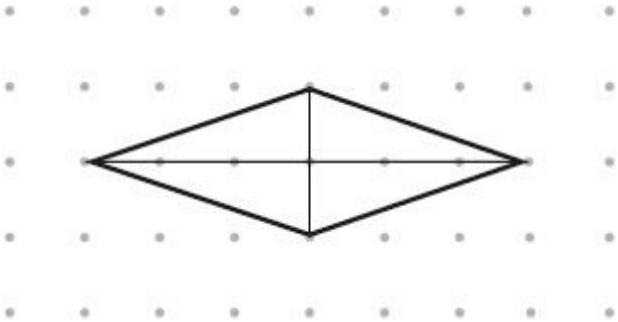
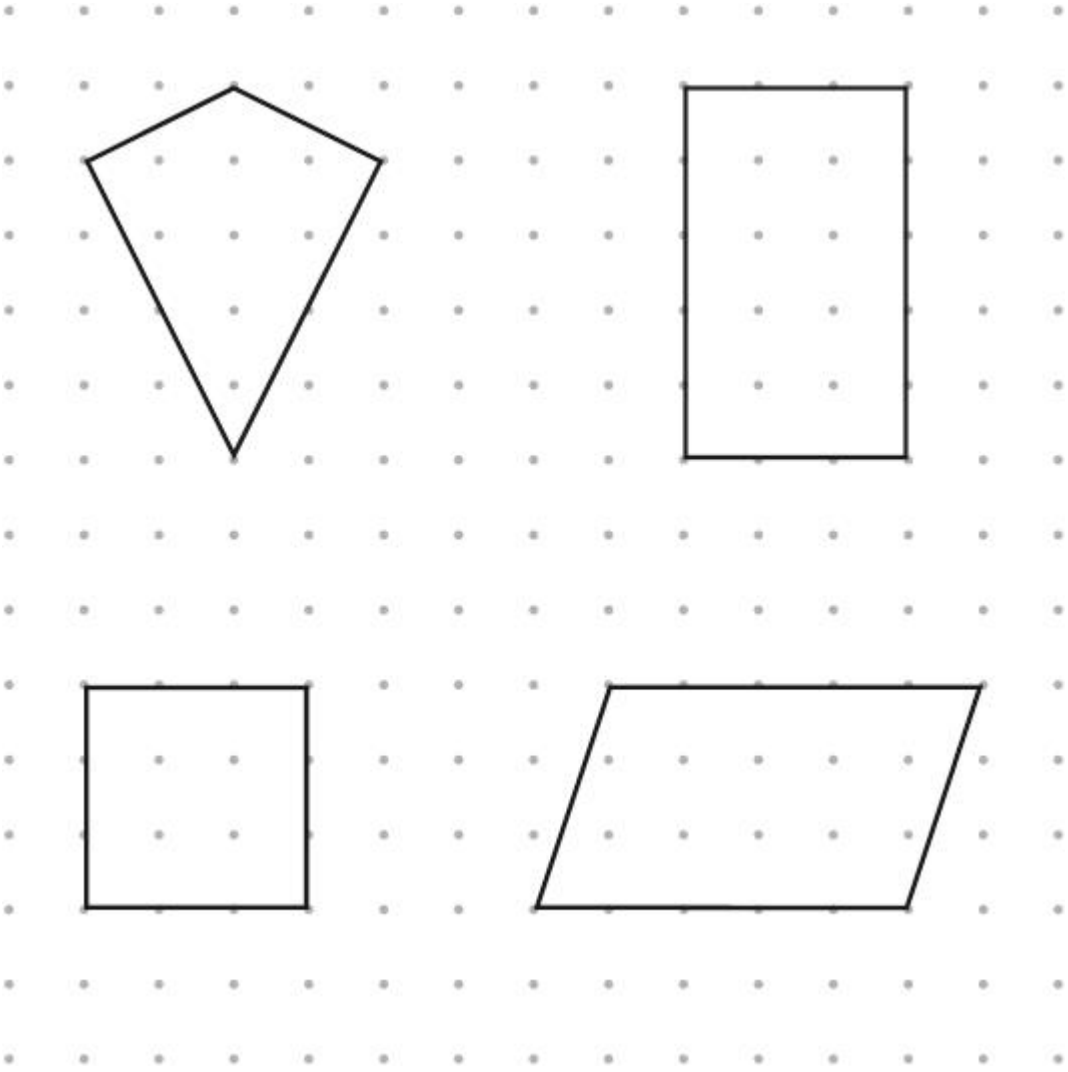
Which two of the lines are **perpendicular**?
Circle them in the list below.

AB BC CD DA

1 mark

Q5.

The diagonals of this quadrilateral cross at right angles.



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