'PROPERTIES OF SHAPE' MYSTERY

Complete the 3 x 3 grid below with one shape drawn in each grid square.

Use the hint-cards to decide which shape (among the 12 possible shapes) is in which square.

Hint cards

The shape in the top left hand corner has 3 lines of symmetry.	There is a square directly above the hexagon.	The shape to the left of the small square has 2 lines of symmetry and 4 right angles.
Two shapes each have 4 lines of symmetry.	Each row and column contains 2 quadrilaterals.	Each of the shapes in the top right and bottom left hand corners has one line of symmetry.
5 of the quadrilaterals include at least one pair of parallel sides.	One shape has no straight sides and one centre of rotation.	4 of the shapes are regular with straight sides.
5 shapes have all sides equal in length.	One of the shapes has one line of symmetry and its diagonals cut at 90°.	4 quadrilaterals have diagonals which cut at 90°.
Shapes in the middle column contain a total of 14 lines of symmetry.	Shapes in the middle row and in the right hand column contain an infinity of lines of symmetry.	No shape has more than 6 vertices.

Glossary : an edge or a side of a shape is a line or one of the lines which define the outline of that shape. It can be a straight line.