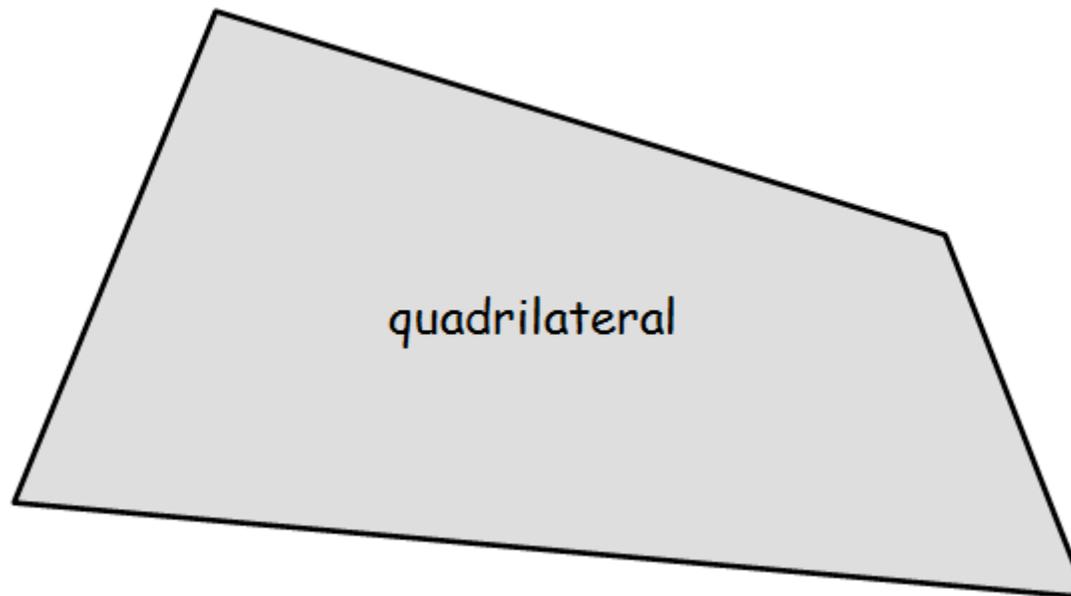




Quadrilateral flowchart puzzle

<http://topdrawer.aamt.edu.au/Geometric-reasoning/Good-teaching/Exploring-quadrilaterals/Properties-of-quadrilaterals/Quadrilateral-flowchart-puzzle>

The quadrilateral drawn below appears to have no special properties. Use this quadrilateral as the beginning of your flowchart.

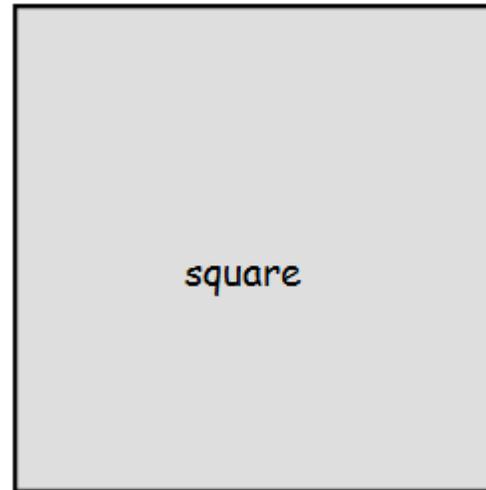
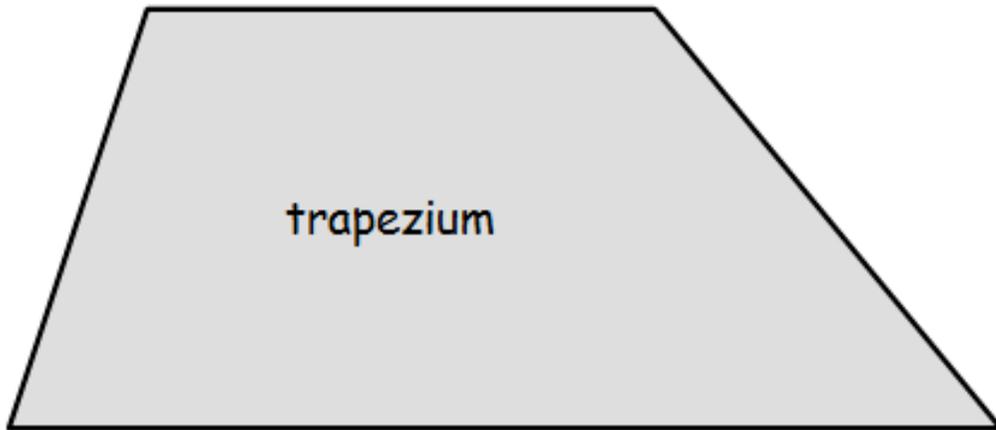
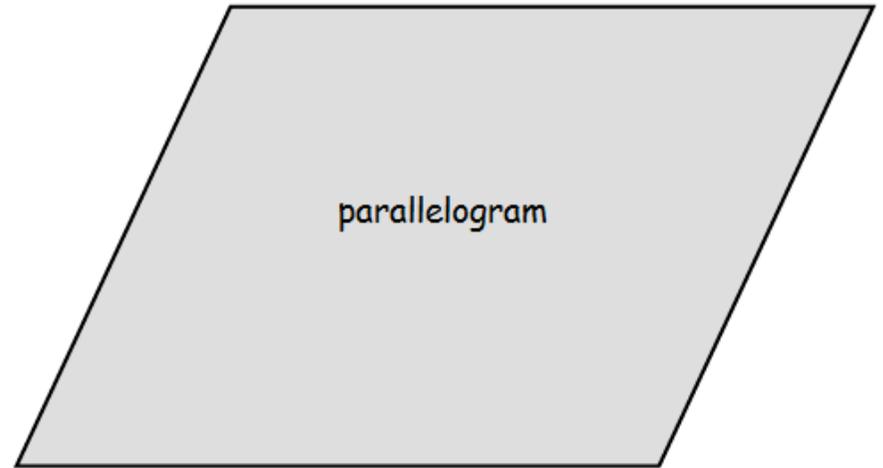
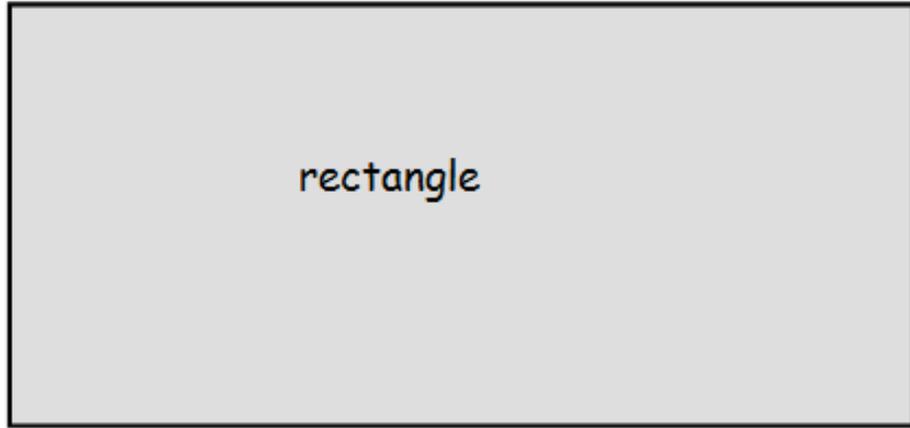


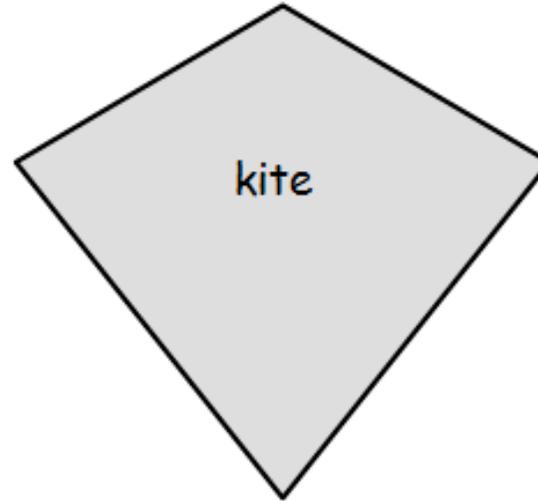
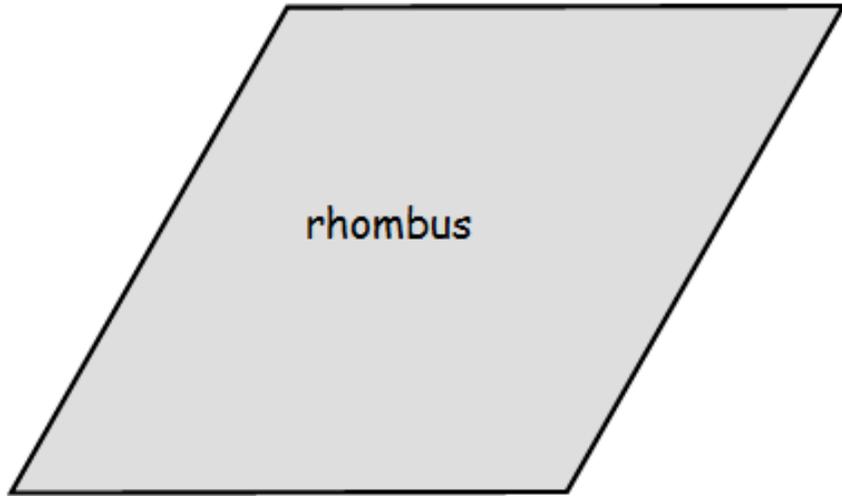
Cut out the arrows and the six special quadrilaterals on the next pages then arrange them in a flowchart. You should use the arrows to connect the shapes to each other in an hierarchical order. When you have finished and it has been checked, take a photo or make a drawing to keep in your exercise book for future reference.

AAMT — TOP DRAWER TEACHERS

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1

One of the angles is a right angle.
Therefore all the angles are right angles.

2

One pair of parallel sides.

3

All sides are equal.

4 One of the angles is a right angle.
Therefore all the angles are right angles.
Therefore

5 Two pairs of adjacent equal sides.

6 All sides are equal.

7

Two pairs of parallel sides.

8

All sides are equal.