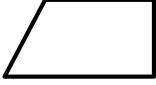
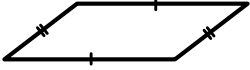
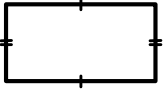
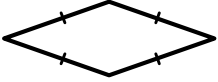
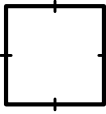
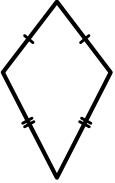


# Different Kinds of Quadrilaterals

A *Quadrilateral* is any polygon with 4 sides

 <p><b>trapezoid</b> a quadrilateral with exactly 1 pair of parallel sides</p>	 <p><b>parallelogram</b> a quadrilateral with 2 pairs of parallel sides opposite each other</p>	 <p><b>rectangle</b> a parallelogram with 4 right angles</p>
 <p><b>rhombus</b> a parallelogram with 4 congruent sides</p>	 <p><b>square</b> a parallelogram with 4 congruent sides and 4 right angles</p>	 <p><b>kite</b> a quadrilateral with two pairs of adjacent sides that are congruent</p>

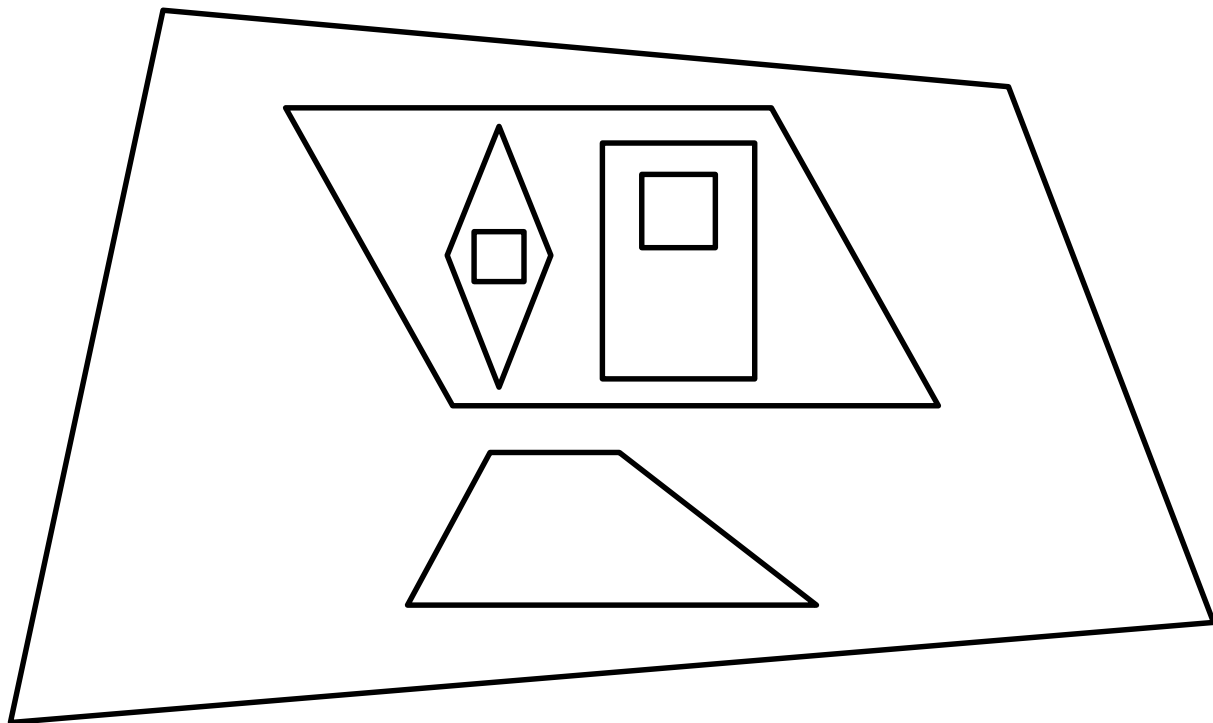
## True or false?

- 1 This shape is a quadrilateral.
- 2 This shape is a trapezoid.
- 3 This shape is a rhombus.
- 4 This shape is a parallelogram.
- 5 This shape is a rectangle.



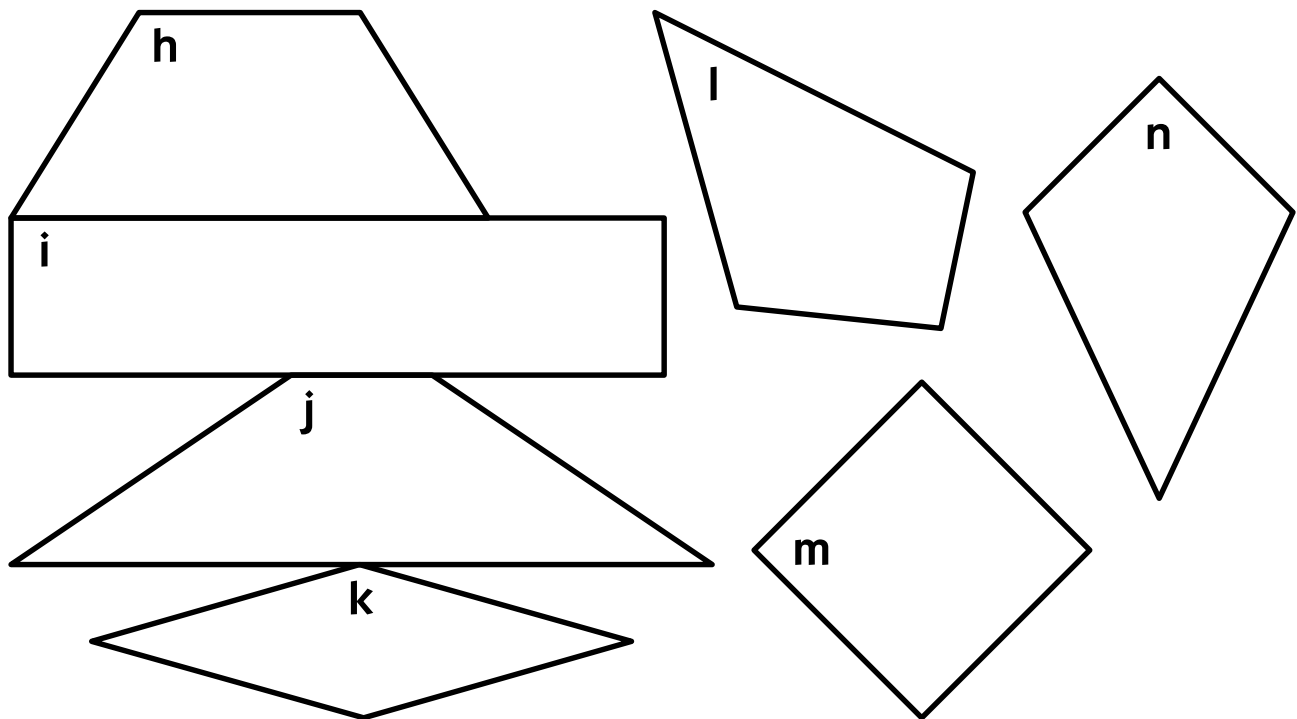
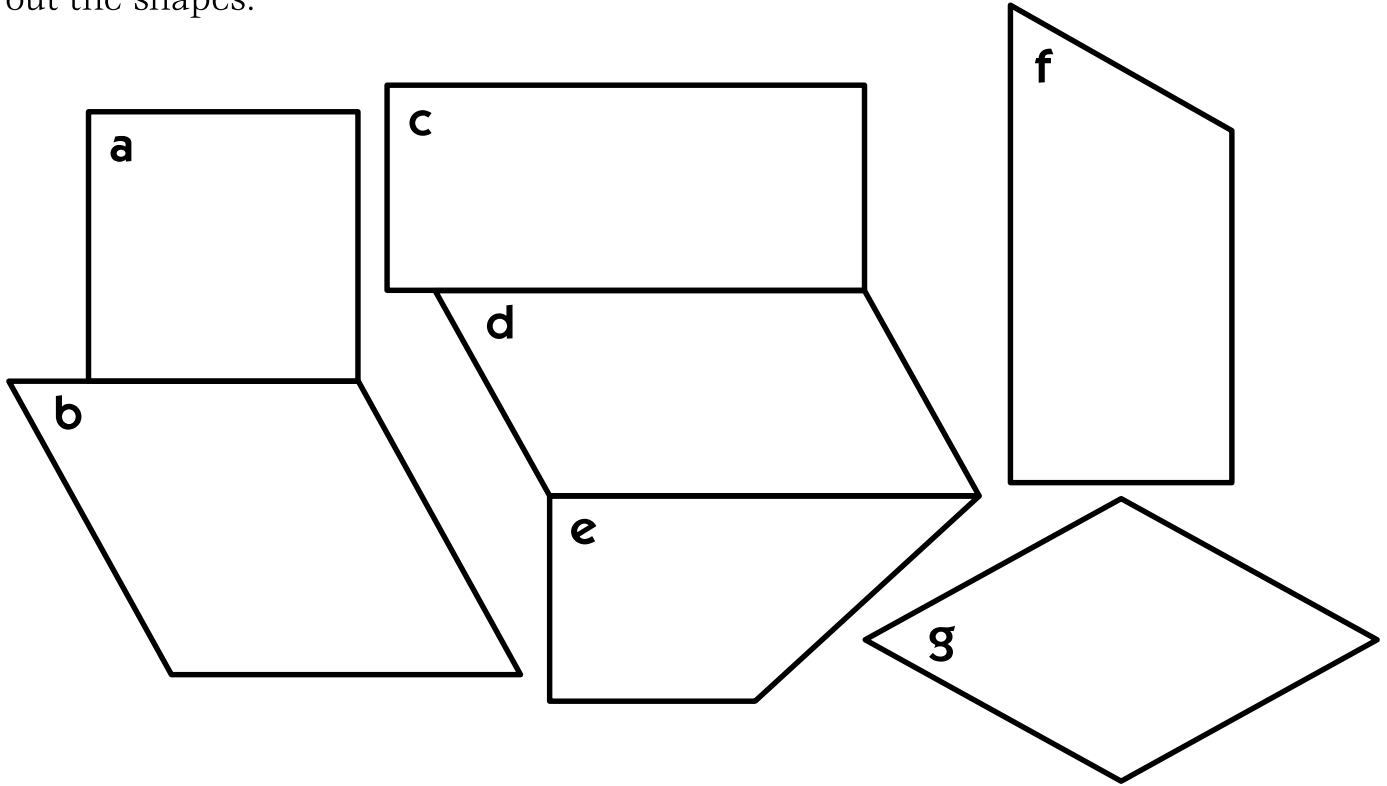
# Sorting Quadrilaterals

- 1 Quadrilaterals/Trapezoids
- 2 Trapezoids/Parallelograms
- 3 Parallelograms/Rectangles
- 4 Rectangles/Rhombuses
- 5 Kites/Rectangles
- 6 Kites/Parallelograms

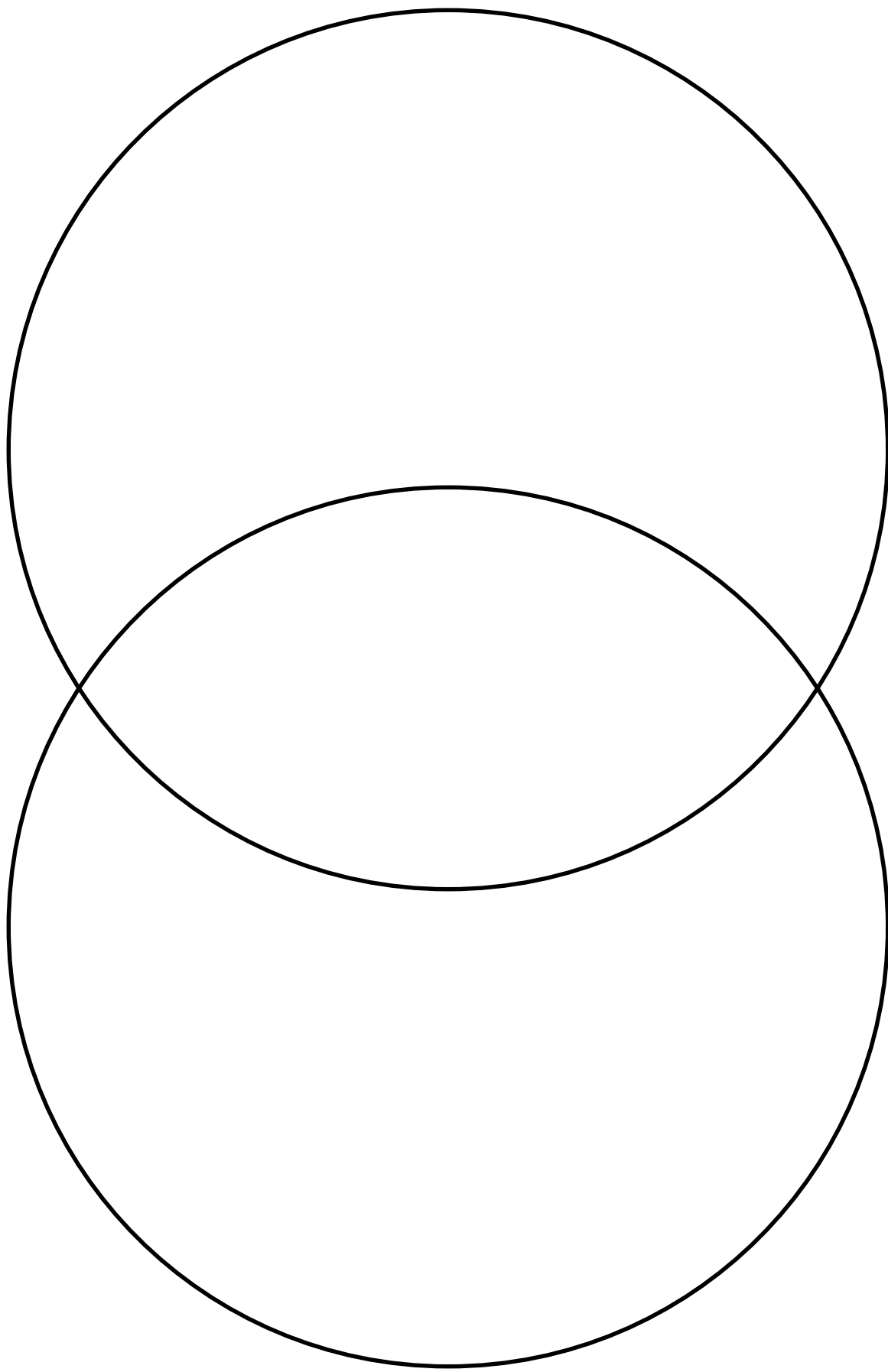


# Paper Quadrilaterals

Label each quadrilateral with the most specific name you can find for it. Then cut out the shapes.

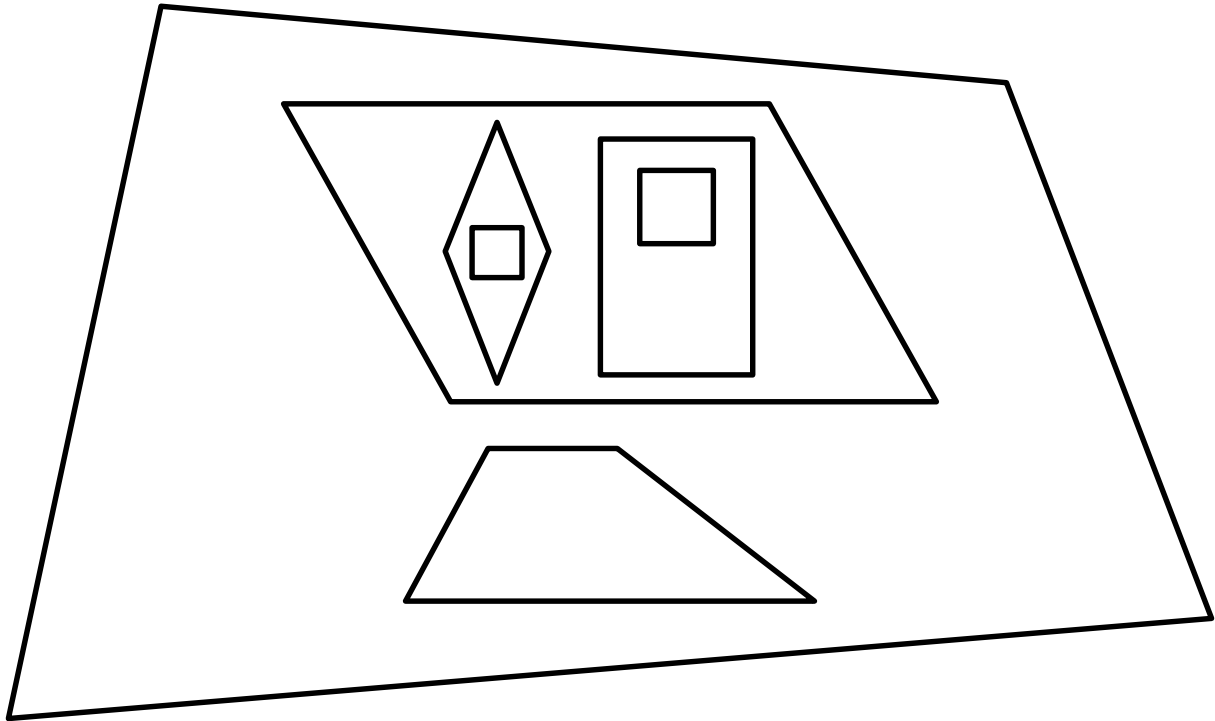


# Venn Diagram Mat



# The Logic of Quadrilaterals

1 Label each shape in this diagram with the name that describes it most exactly.



2 Why is the trapezoid inside the quadrilateral but outside the parallelogram?

3 Why are there a rhombus and a rectangle inside the parallelogram?

4 Why are there two squares, one inside the rhombus and one inside the rectangle?

5 Write at least 2 other observations to explain why the shapes in this diagram have been placed where they are in relation to each other.