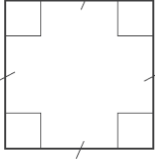
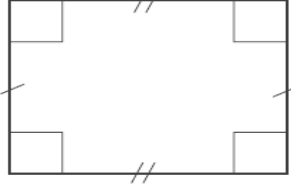
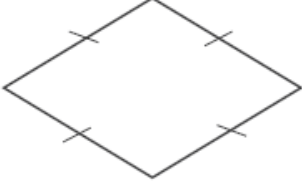
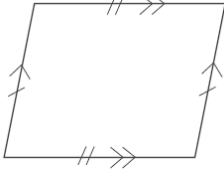
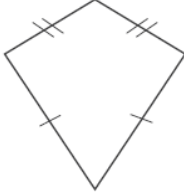


Topic: Properties of Polygons

Topic/Skill	Definition/Tips	Example
1. Square	<ul style="list-style-type: none"> • Four equal sides • Four right angles • Opposite sides parallel • Diagonals bisect each other at right angles • Four lines of symmetry • Rotational symmetry of order four 	
2. Rectangle	<ul style="list-style-type: none"> • Two pairs of equal sides • Four right angles • Opposite sides parallel • Diagonals bisect each other, not at right angles • Two lines of symmetry • Rotational symmetry of order two 	
3. Rhombus	<ul style="list-style-type: none"> • Four equal sides • Diagonally opposite angles are equal • Opposite sides parallel • Diagonals bisect each other at right angles • Two lines of symmetry • Rotational symmetry of order two 	
4. Parallelogram	<ul style="list-style-type: none"> • Two pairs of equal sides • Diagonally opposite angles are equal • Opposite sides parallel • Diagonals bisect each other, not at right angles • No lines of symmetry • Rotational symmetry of order two 	
5. Kite	<ul style="list-style-type: none"> • Two pairs of adjacent sides of equal length • One pair of diagonally opposite angles are equal (where different length sides meet) • Diagonals intersect at right angles, but do not bisect • One line of symmetry • No rotational symmetry 	



6. Trapezium

- **One pair of parallel sides**
- **No lines of symmetry**
- **No rotational symmetry**

Special Case: Isosceles Trapeziums have one line of symmetry.

