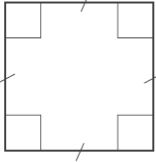
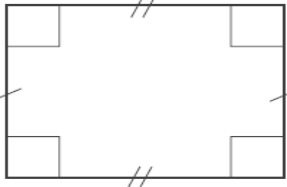
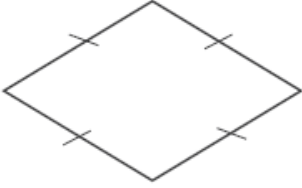
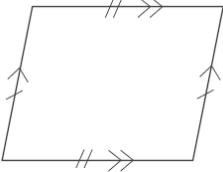
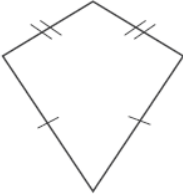


## Topic: Properties of Polygons

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