





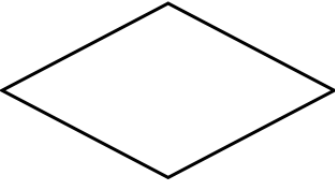
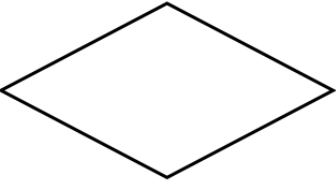
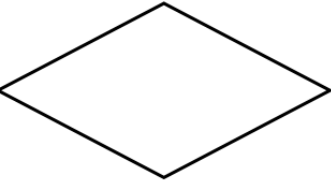

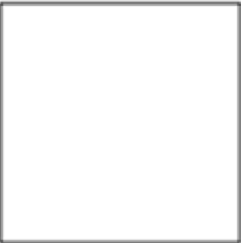








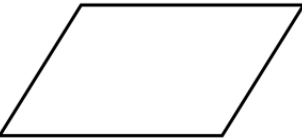
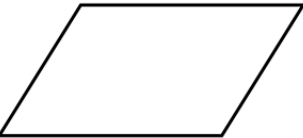
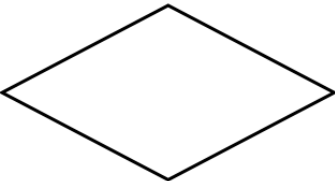
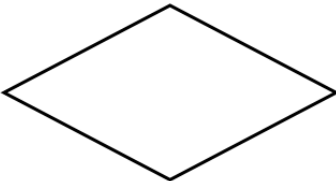
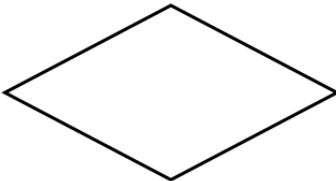








Symmetries and Diagonals of Quadrilaterals

<p>A polygon is a closed shape made up of several straight-line segments that are joined together. The sides do not cross each other and exactly two sides meet at every vertex.</p>	<p>Reflectional Symmetry – A shape has reflectional symmetry if <i>there is a line that reflects a figure onto itself.</i></p> <p>Draw all of the lines of reflection on the shapes below. Say how many lines of reflection there are.</p>	<p>Rotational Symmetry – <i>If a figure can be rotated onto itself by a rotation, it is said to have rotational symmetry.</i></p> <p>Draw the point(s) <u>and</u> write angle measure(s) that would rotate each figure below onto itself.</p>	<p>Diagonals – <i>Lines that connect all non-adjacent vertices of a polygon.</i></p> <p>Draw all of the diagonals for each figure below. Say how many diagonals there are.</p>
<p>A rectangle is a quadrilateral that contains four right angles.</p>	 How Many?	 Angle Measure(s):	 How Many?
<p>A parallelogram is a quadrilateral in which opposite sides are parallel.</p>	 How Many?	 Angle Measure(s):	 How Many?
<p>A rhombus is a quadrilateral in which all sides are congruent (the same length)</p>	 How Many?	 Angle Measure(s):	 How Many?
<p>A square is both a rectangle and a rhombus. It has 4 right angles and 4 congruent sides.</p>	 How Many?	 Angle Measure(s):	 How Many?
<p>A trapezoid is a quadrilateral with one pair of opposite sides parallel.</p>	 How Many?	 Angle Measure(s):	 How Many?

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