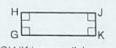
Properties of Special Parallelograms

A rectangle is a quadrilateral with four right angles. A rectangle has the following properties.

Properties of Rectangles



GHJK is a parallelogram.

If a quadrilateral is a rectangle, then it is a parallelogram.



If a parallelogram is a rectangle, then its diagonals are congruent.

Since a rectangle is a parallelogram, a rectangle also has all the properties of parallelograms.

A rhombus is a quadrilateral with four congruent sides. A rhombus has the following properties.

Properties of Rhombuses



rhombus, then it is a

parallelogram.

QRST is a parallelogram. QS L RT If a quadrilateral is a

If a parallelogram is a rhombus, then its diagonals are perpendicular.



If a parallelogram is a rhombus, then each diagonal bisects a pair of opposite angles.

Since a rhombus is a parallelogram, a rhombus also has all the properties of parallelograms.

ABCD is a rectangle. Find each length.

1. BD

2. CD

3. AC

4. AE

KLMN is a rhombus. Find each measure.

5. KL

6. m∠MNK

