Quadrilateral Hierarchy w/ Properties

QUADRILATERAL
1. Sum of interior angles is 360 deg.

KITE
1. All the properties of a quadrilateral.
2. The non-vertex angles are congruent.
3. The diagonal between the vertex angles bisects the vertex angles..
4. Diagonals are perpendicular.
5. The diagonal between the vertex angles bisects the angle between the non-vertex angles.

TRAPEZOID
1. All the properties of a quadrilateral.
2. The mid-segment is parallel to the bases.
3. Mid-segment is half the sum of the bases.

PARALLELOGRAM
1. All the properties of a trapezoid.
2. Opposite sides are parallel.
3. Opposite angles are congruent.
4. Opposite sides are congruent.
5. If one angle is a right angle, then all angles are right angles.
6. Diagonals bisect each other.

RHOMBUS
1. All the properties of a parallelogram and a kite.
2. All sides are congruent.
3. Diagonals are perpendicular bisectors.

RECTANGLE
1. All the properties of a parallelogram.
2. It has an interior right angle.
3. All angles are right angles.
4. Diagonals are congruent.

SQUARE
1. All the properties of a rectangle and a rhombus.

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Quadrilateral Hierarchy w/ Properties

QUADRILATERAL

1. _____

KITE

1. All the properties of a quadrilateral.
2. _____
3. _____
   _____
4. _____
5. _____
   _____

TRAPEZOID

1. All the properties of a quadrilateral.
2. _____
3. _____

PARALLELOGRAM

1. All the properties of a Trapezoid.
2. _____
3. _____
4. _____
5. _____
6. _____

RHOMBUS

1. All the properties of a parallelogram and a kite.
2. _____
3. _____

RECTANGLE

1. All the properties of a parallelogram.
2. _____
3. _____
4. _____

SQUARE

1. All the properties of a rectangle and a rhombus.

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