Note: The mid-segment of a trapezoid is parallel to each base and its measure is ½ the sum of the lengths of the bases!

1. All sides are congruent
2. Diagonals bisect opposite angles
3. Diagonals perpendicular bisectors
4. Diagonals form 4 right triangles
5. 2 pairs of adjacent,

congruent sides

1. Diagonals perpendicular

to each other

1. Diagonals bisect opposite

 angles

1. 1 set of opposite

angles are

 congruent

1. 4 sided polygon
2. Sum of interior angles is 360 degrees
3. Opposite sides are parallel
4. Opposite sides are congruent
5. Opposite angles are congruent
6. Adjacent angles are supplementary
7. Diagonals bisect each other
8. Legs are congruent
9. Common base angles are congruent
10. Diagonals are congruent
11. Adjacent angles (not along same base) are supplementary

**Isosceles Trapezoid**

**Rhombus**

1. Diagonals form 4 congruent, right triangles
2. MUST be a rhombus and a rectangle
3. All angles are right angles
4. Diagonals are congruent

**Parallelogram**

**Rectangle**

**Square**

**Kite**

**Quadrilateral**

**Hierarchy of Quadrilaterals**