

Properties of Quadrilaterals

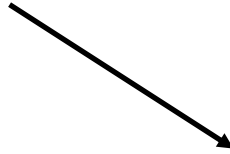
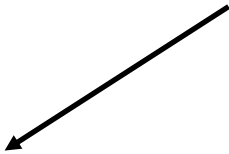
Quadrilaterals

1. **Four sides**
2. **Sum of the interior angles is 360 degrees**



Parallelograms

1. **Both pairs of opposite sides are congruent**
2. **Both pairs of opposite sides are parallel**
3. **Both pairs of opposite angles are congruent**
4. **Consecutive angles are supplementary**
5. **Diagonals bisect each other**

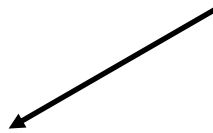
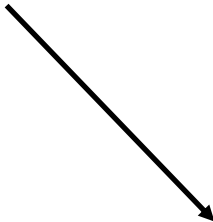


Rectangles

1. **Parallelogram**
2. **Four right angles**
3. **Congruent diagonals**

Rhombus

1. **Parallelogram**
2. **Four congruent sides**
3. **Diagonals are perpendicular**
4. **Diagonals bisect the opposite angles**



Square

1. **Rectangle properties**
2. **Rhombus properties**

Trapezoid

- 1. ONE pair of opposite sides is parallel (bases)**
- 2. Same-side-interior angles (between bases) are supplementary**



Isosceles Trapezoid

- 1. Trapezoid**
- 2. Legs (non-parallel sides) are congruent**
- 3. Diagonals are congruent**
- 4. Base angles are congruent**
- 5. Opposite angles are supplementary**