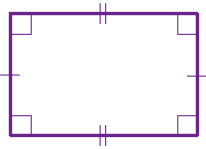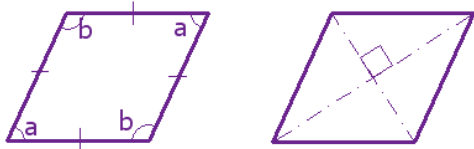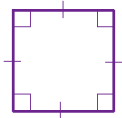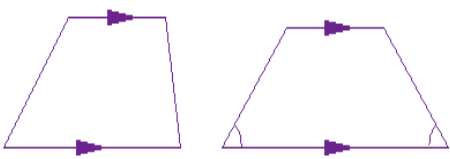# Notes Quadrilaterals

A **quadrilateral** is a 4-sided polygon. The sum of the measures of the four angles of any quadrilateral is 360°. Some types of quadrilaterals with which you should be familiar are shown below.

Type	Examples	Properties
Parallelogram		● Both pairs of opposite sides are parallel. ● Both pairs of opposite sides are congruent. ● Both pairs of opposite angles are congruent. ● Consecutive angles are supplementary.
Rectangle		● Both pairs of opposite sides are parallel. ● Both pairs of opposite sides are congruent. ● All pairs of adjacent sides are perpendicular. ● All angles are right angles.
Rhombus		● Both pairs of opposite sides are parallel. ● All sides are congruent. ● Both pairs of opposite angles are congruent. ● Consecutive angles are supplementary.
Square		● Both pairs of opposite sides are parallel. ● All sides are congruent. ● All pairs of adjacent sides are perpendicular. ● All angles are right angles.
Trapezoid		● Exactly one pair of opposite sides is parallel. ● Exactly two pairs of consecutive angles are supplementary.