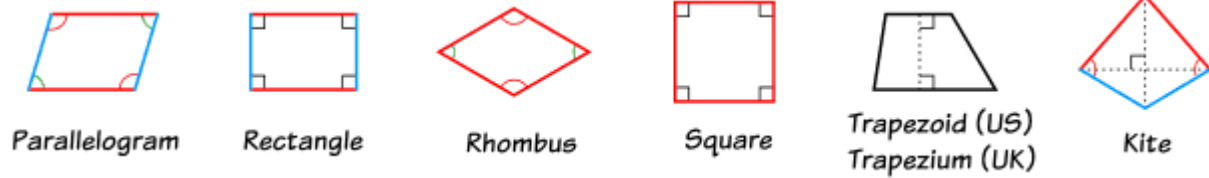
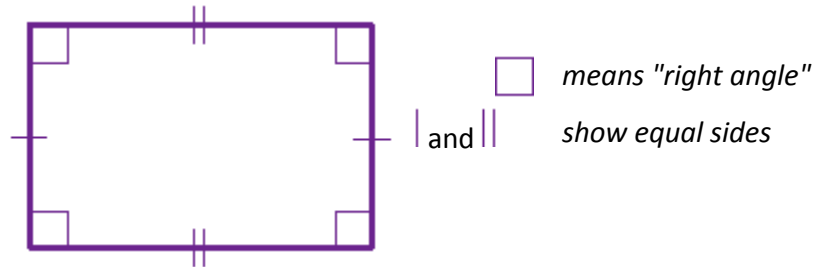


TYPES OF QUADRILATERALS

There are special types of quadrilateral:



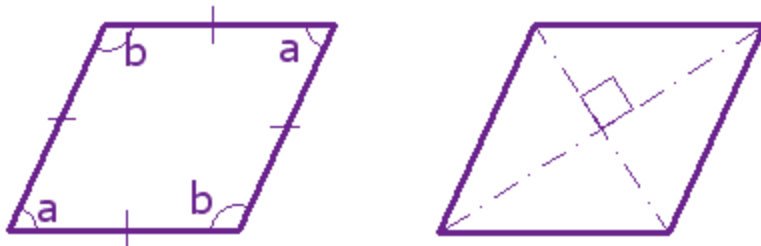
THE RECTANGLE



A **rectangle** is a four-sided shape where every angle is a **right angle** (90°).

Also **opposite sides** are **parallel** and of equal length.

THE RHOMBUS

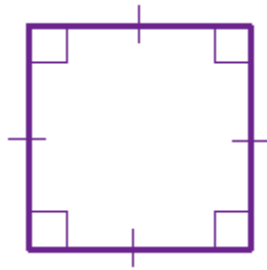


A **rhombus** is a four-sided shape where all sides have equal length.

Also opposite sides are parallel *and* opposite angles are equal.

Another interesting thing is that the diagonals (dashed lines in second figure) meet in the middle at a right angle. In other words they "bisect" (cut in half) each other at right angles.

THE SQUARE



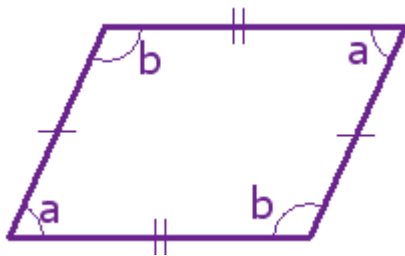
□ means "right angle"
| show equal sides

A square has equal sides and every angle is a right angle (90°)

Also opposite sides are parallel.

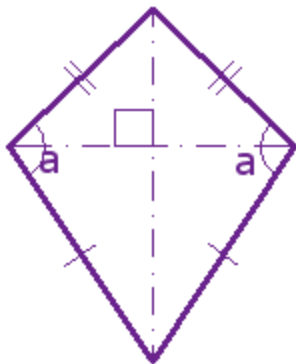
A square also fits the definition of a **rectangle** (all angles are 90°), and a **rhombus** (all sides are equal length).

THE PARALLELOGRAM



A parallelogram has opposite sides parallel and equal in length. Also opposite angles are equal (angles "a" are the same, and angles "b" are the same).

THE KITE



Hey, it looks like a kite. It has two pairs of sides. Each pair is made up of adjacent sides that are equal in length. The angles are equal where the pairs meet. Diagonals (dashed lines) meet at a right angle, and one of the diagonal bisects (cuts equally in half) the other.