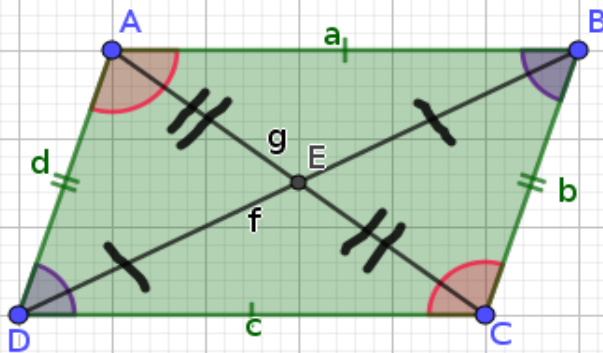


Types of Quadrilaterals

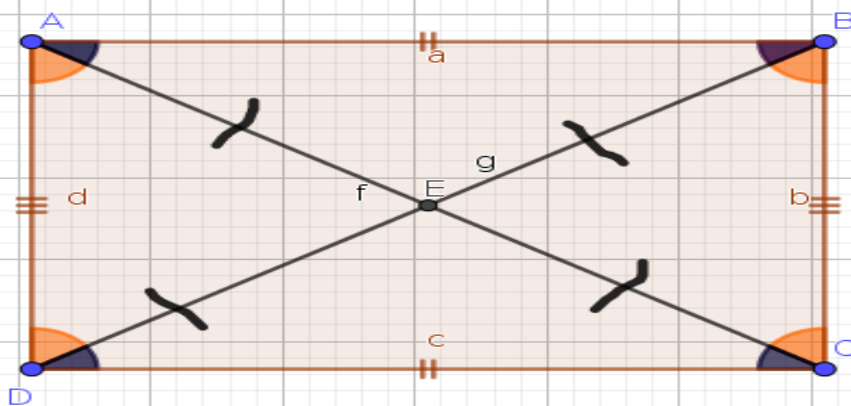
Sum of angles of a quadrilateral is 360 degrees.

Parallelogram



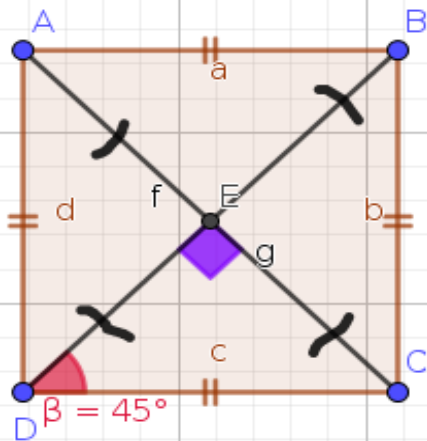
PARALLELOGRAMS (rectangles, squares, and rhombi):
Opposite sides of a parallelogram are congruent.
Opposite angles of a parallelogram are congruent.
Consecutive angles in a parallelogram are supplementary.
The diagonals of a parallelogram bisect each other.

Rectangle



RECTANGLES:
Opposite sides are congruent (they equal each other).
Opposite angles are congruent (they equal each other).
Consecutive angles are supplementary (they add up to 180).
Diagonals bisect each other (the parts are equal).
Diagonals are congruent (they equal each other).
All four corner angles are 90° .

Square



Square

Opposite sides are congruent (they equal each other).

Opposite angles are congruent (they equal each other).

Consecutive angles are supplementary (they add up to 180).

Diagonals bisect each other (the parts are equal).

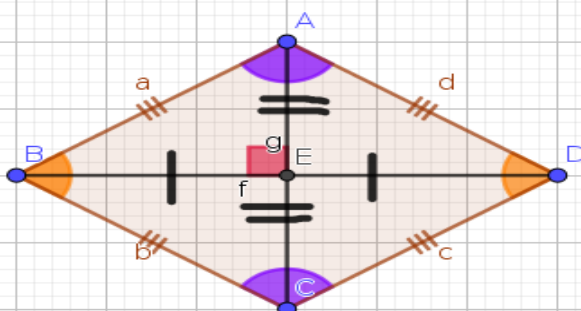
Diagonals are congruent (they equal each other).

All four corner angles are 90° .

Diagonals perpendicular (they form right angles in the middle).

Diagonals bisect angles (the angles equal to each other).

Rhombus



Opposite sides are congruent (they equal each other).

Opposite angles are congruent (they equal each other).

Consecutive angles are supplementary (they add up to 180).

Diagonals bisect each other (the parts are equal).

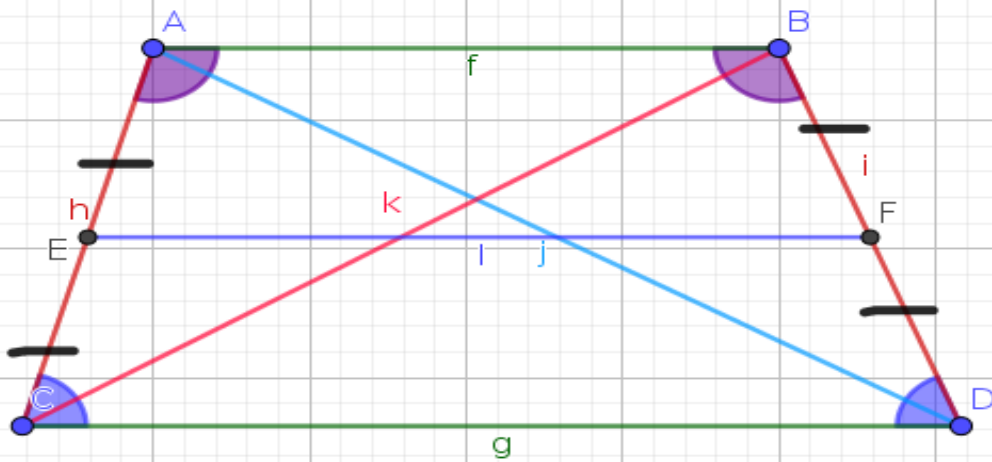
Diagonals perpendicular (they form right angles in the middle).

Diagonals bisect angles (the angles are equal to each other).

All four sides are congruent.

The diagonals are NOT congruent.

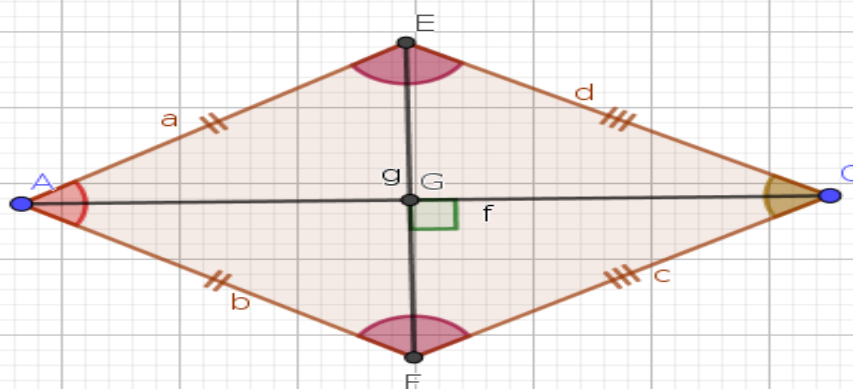
ISOSCELES TRAPEZOID



Median = $\frac{1}{2}$ (base + base)

**Lower two base angles are congruent (they equal each other).
Upper two base angles are congruent (they equal each other).
The diagonals are congruent (they equal each other).
opposite angles are supplementary (they add up to 180).**

Kite



Kite

**Two pairs of consecutive sides congruent, but opposite sides not congruent
Diagonals perpendicular.
Exactly one pair of angles congruent.
One pair of angles bisected.**