

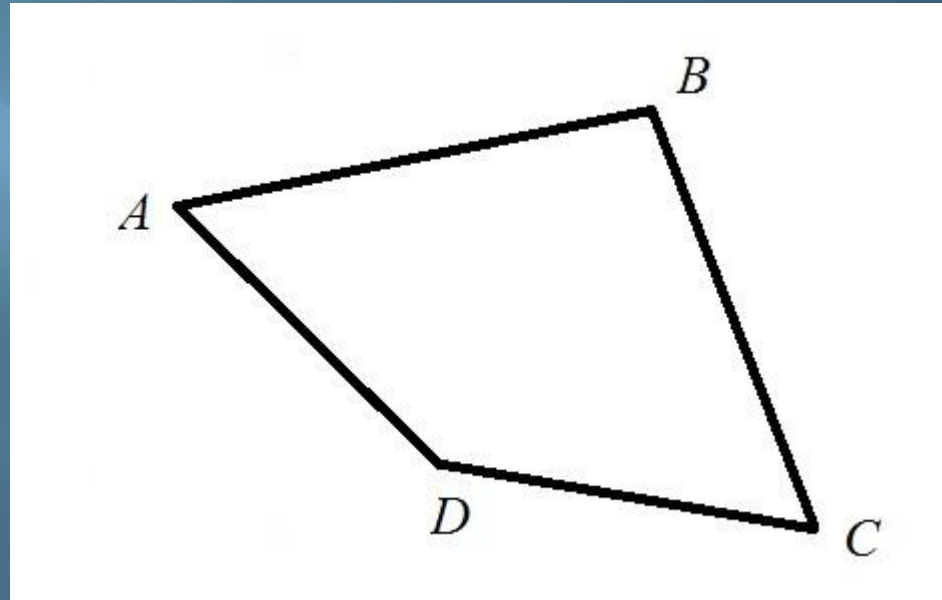
# QUADRILATERALS

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# Polygon

A POLYGON is a many-sided shape. Sides and angles are the same.

Quadrilateral has 4 sides and 4 angles.



# Types of quadrilaterals

Parallelogram has two pairs of parallel sides. Its parallel sides are equal. Its opposite angles are equal too.

Rhombus is parallelogram too. Its sides are all equal. Square has all equal sides and all equal angles too.

Rectangle is a parallelogram which has all equal angles.

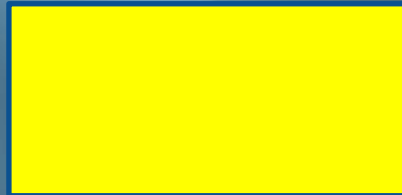
Trapezoid has only two parallel sides.



Parallelogram



Square



Rectangle



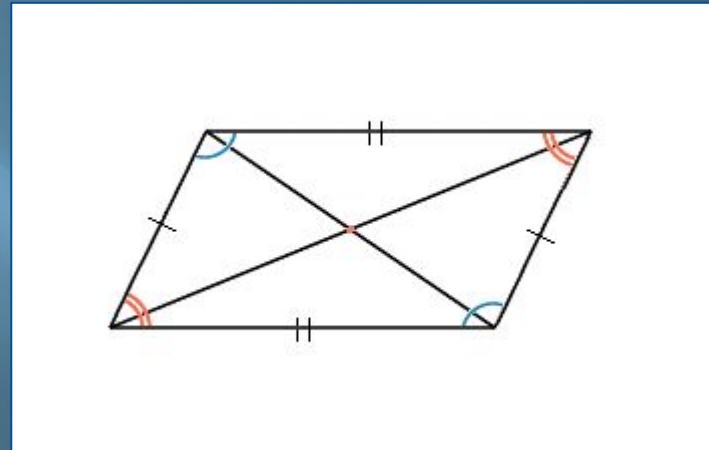
Rhombus



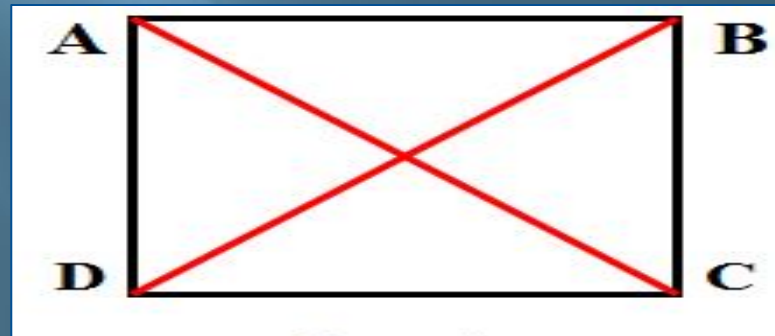
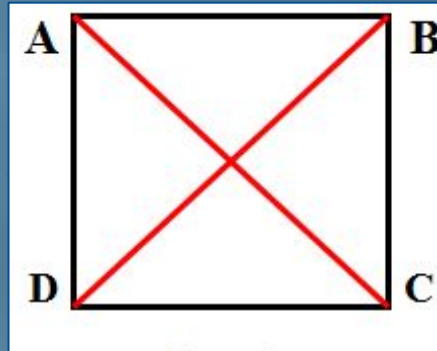
Trapezoid

# You must know

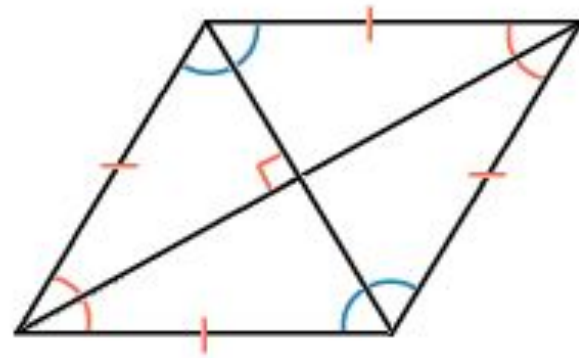
The diagonals of a parallelogram are divided in half by the point of intersection.



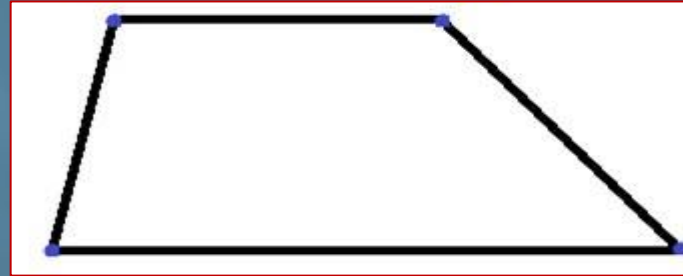
The  
diagonals  
of a  
rectangle  
and a  
square are  
equal



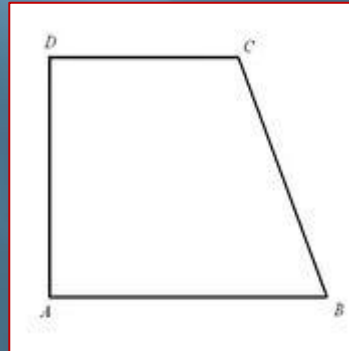
Diagonals of a rhombus are perpendicular and are the bisectors its angles.



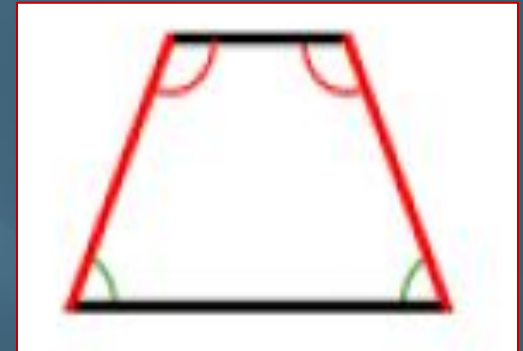
A trapezoid has only one pair of parallel sides. There are only two types of trapezoid .



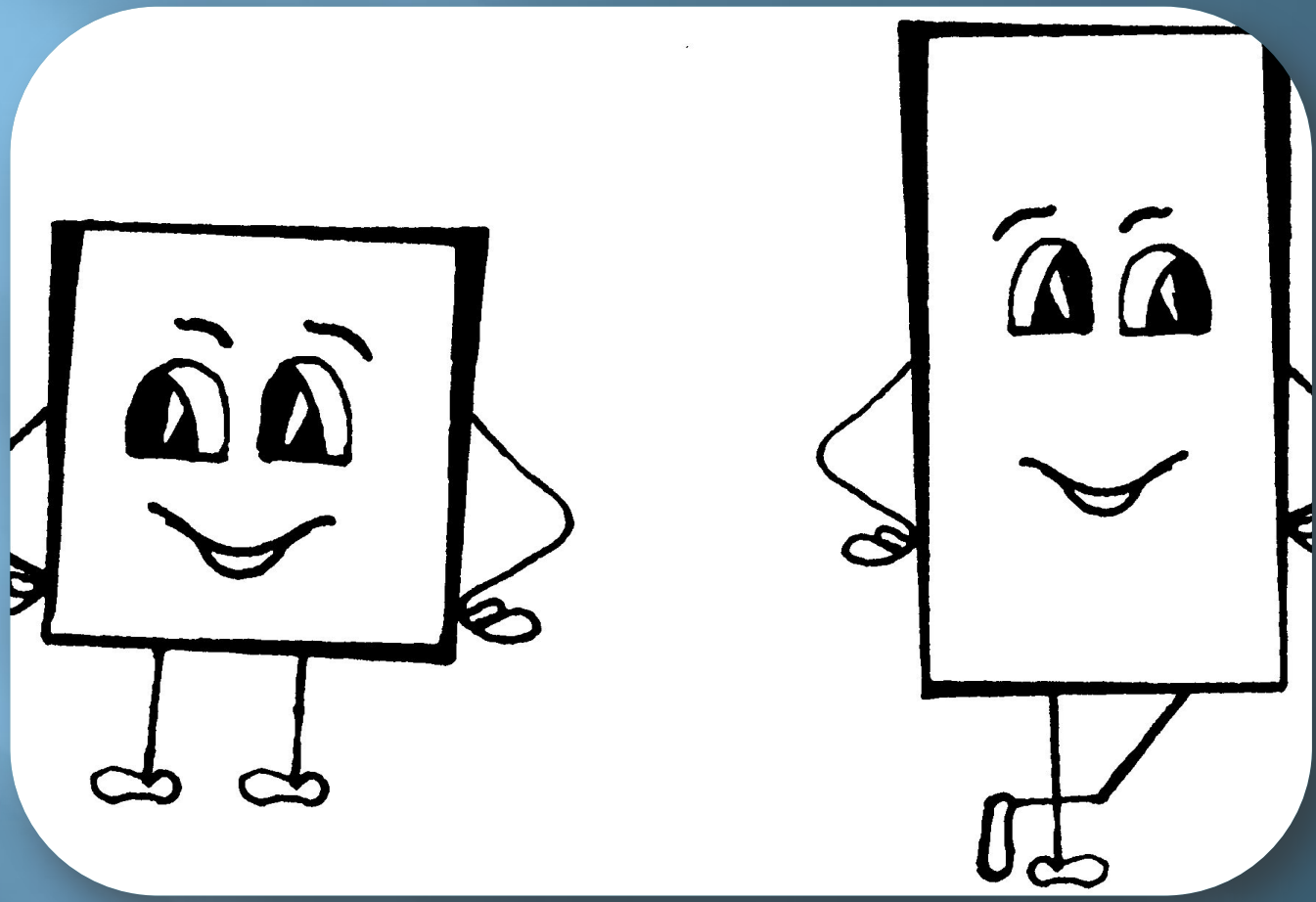
Trapezoid



Rectangle trapezoid



Isosceles trapezoid



Thanks for your attention!