

Quadrilaterals:

4 sided closed figure

sum of the angles = 360

Properties of Parallelograms:

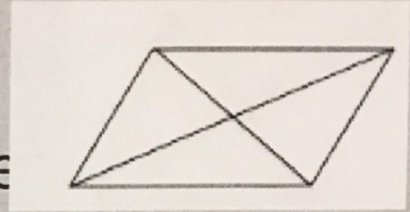
2 sets // sides

Opposite sides are // and congruent

Opposite angles congruent

Adjacent angles supplementary

Diagonals bisect each other



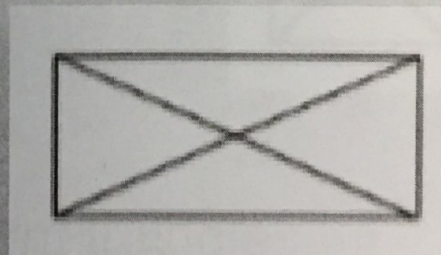
Properties of rectangles:

all the properties of parallelograms

and

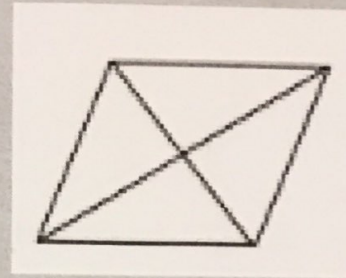
all angles congruent

Diagonals are congruent



Properties of Rhombus:

All the properties of Parallelogram
and



All sides congruent

Diagonals are perpendicular bisectors

Diagonals divide the rhombus into four
congruent right triangles

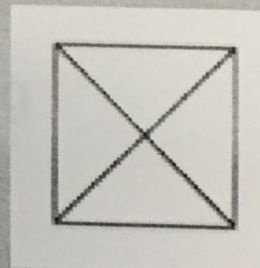
Diagonals are angle bisectors

Properties of a Square

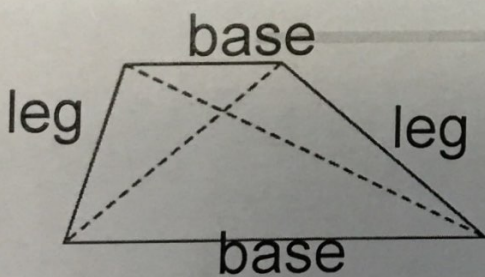
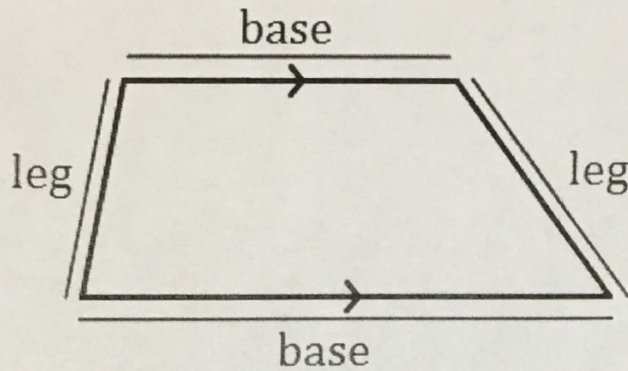
all the properties of parallelograms,
rectangles and rhombus

and

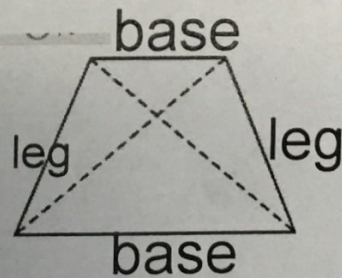
Diagonals form 4 isosceles right triangles



Trapezoid:



Bases are parallel
Lower base < supplementary
to upper base <



Isosceles Trapezoid
Bases are parallel
legs are congruent
lower base < s are congruent
upper base < s are congruent
Lower base < supplementary to
upper base angle
Diagonals are congruent