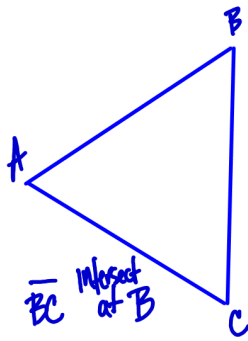
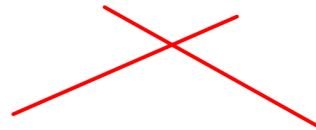


4.4
Polygon

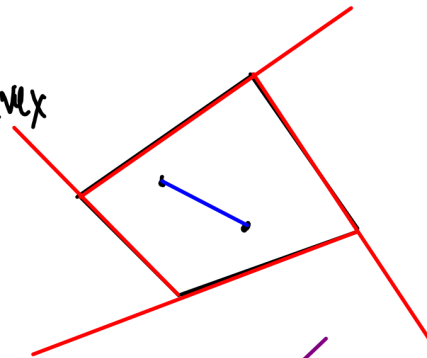


\overline{AB}	\overline{BC}	Intersect at B
\overline{AC}	\overline{BC}	C
\overline{AB}	\overline{AC}	A

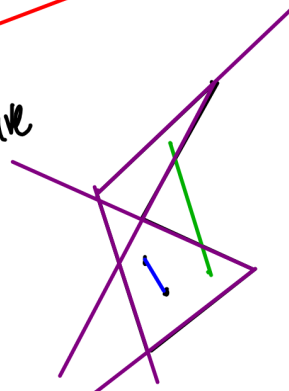


Vertex
Vertices

Convex



Concave



Regular Polygons

All Sides \cong

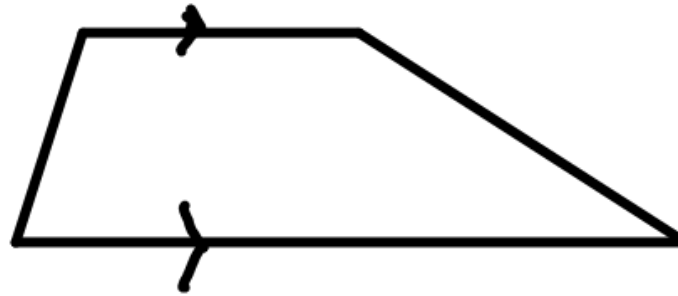
All Angles \cong



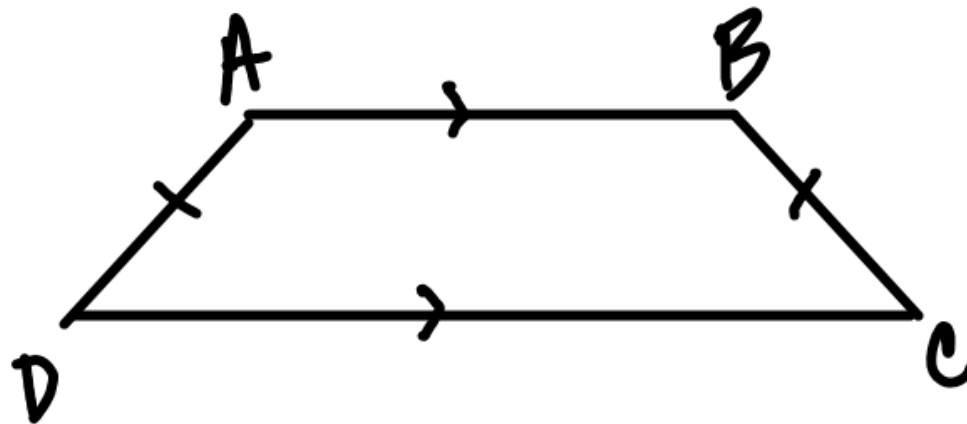
Number of Sides	Name
3	Triangle
4	Quadrilateral
5	Pentagon
6	Hexagon
7	Heptagon
8	Octagon
9	Nonagon
10	Decagon
11	11-gon
12	Dodecagon
13	13-gon
n	n-gon

Quadrilaterals 4 Sides

Trapezoid:

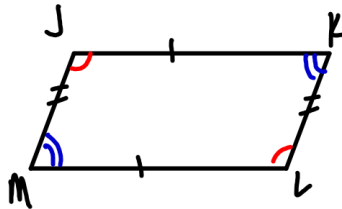
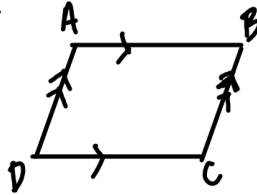


Isosceles

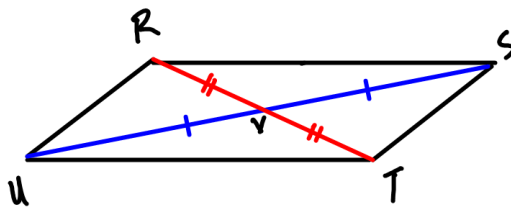


1 pair of parallel sides

Parallelogram: a quadrilateral with both pairs of opposite sides parallel.



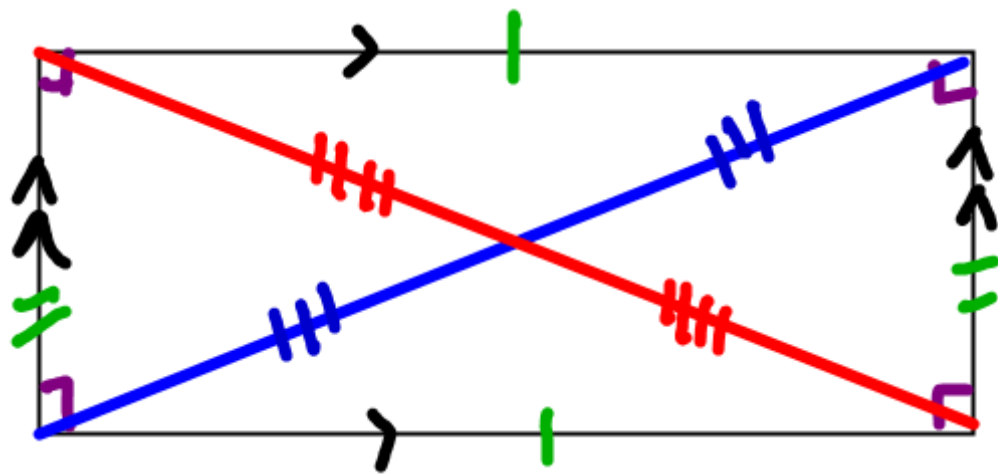
Opposite sides \cong $\overline{JK} \cong \overline{ML}$ $\overline{JM} \cong \overline{KL}$
 Opposite \angle 's \cong $\angle J \cong \angle L$ $\angle M \cong \angle K$



$\overline{UV} \cong \overline{SV}$ $\overline{RV} \cong \overline{TV}$

The diagonals of a parallelogram bisect each other

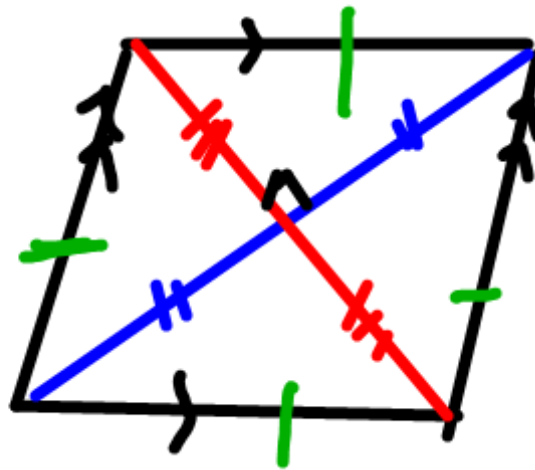
Rectangle 4 right \angle 's



Diagonals \cong

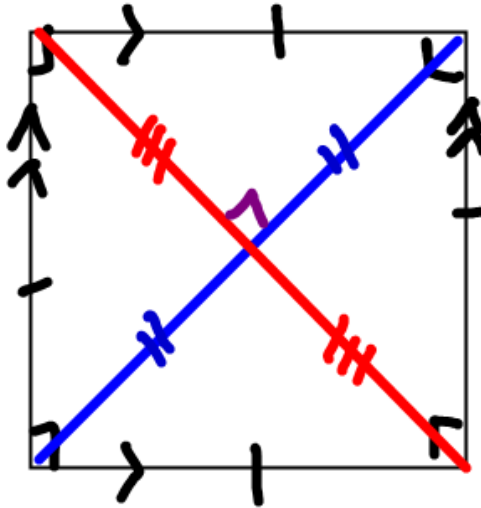
Rhombus

4 \cong sides



Diagonals \perp

Square



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Table

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5-13 All