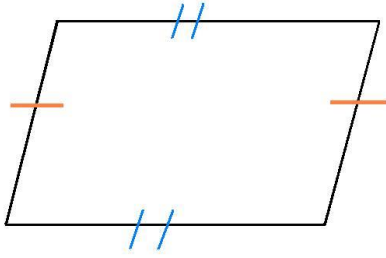# Parallelograms:

Parallelograms are a quadrilateral comprised of two parallel lines.

Theorems about opposite sides and angles.

Sides	A **parallelogram** is a quadrilateral with both pairs of opposite sides parallel.	
	If both pairs of opposite sides of a quadrilateral are congruent, the quadrilateral is a parallelogram.	
Angles	If both pairs of opposite angles of a quadrilateral are congruent, the quadrilateral is a parallelogram.	
	If one angle is supplementary to both consecutive angles in a quadrilateral, the quadrilateral is a parallelogram.	
Diag	If the diagonals of a quadrilateral bisect each other, the quadrilateral is a parallelogram.	
Combo	If ONE PAIR of opposite sides of a quadrilateral are BOTH parallel and congruent, the quadrilateral is a parallelogram. *(Proof appears further down the page.)*	
	** *Be sure to remember this last method, as it may save you time when working a proof.*	