

QUADRILATERALS

Ch. 9

Quadrilateral	Characteristic	Characteristic	Characteristic	Characteristic	Characteristic	Characteristic
<i>Parallelogram</i>	2 sets of parallel sides	2 sets of congruent sides	Opposite angles are congruent	Diagonals bisect each other		
<i>Rectangle</i>	2 sets of parallel sides	2 sets of congruent sides	Opposite angles are congruent	Diagonals bisect each other	4 right angles	Diagonals are congruent AND are perpendicular
<i>Rhombus</i>	2 sets of parallel sides	2 sets of congruent sides	Opposite angles are congruent	Diagonals bisect each other	4 congruent sides	Diagonals bisect opposite angles AND are perpendicular
<i>Square</i>	2 sets of parallel sides	2 sets of congruent sides	Opposite angles are congruent	Diagonals bisect each other	4 congruent sides AND 4 right angles	Diagonals are perpendicular
<i>Trapezoid</i>	1 set of parallel sides	Midsegment: segment going across the middle of the trapezoid	To find the measure of the midsegment, add the length of the two bases and divide by 2			
<i>Isosceles Trapezoid</i>	1 set of parallel sides	One side of congruent sides (legs)	Each pair of base angles is congruent	Diagonals are congruent		
<i>Kite</i>	Exactly 1 set of congruent angles	Diagonals are perpendicular	One of the diagonals bisects the pair of non-congruent angles	Exactly one diagonal bisects the other	2 sets of congruent sides	