Quadrilaterals Graphic Organizer

Quadrilateral Name	Side Properties	Angle Properties	Diagonals Properties
Kite A quadrilateral with two distinct pairs of congruent consecutive sides.	• In a kite there are two pair of congruent sides	• Non-vertex angles are congruent • Vertex angles are bisected by a diagonal	• Diagonals are ⊥ • Diagonal connecting vertex angles is the ⊥ bisector of the other diagonal
Trapezoid A quadrilateral with exactly one pair of parallel sides.	• The two parallel sides of the trapezoid are called the bases	• The consecutive angles between the bases of the trapezoid are supplementary	
Isosceles Trapezoid A trapezoid with two congruent legs.	• In an isosceles trapezoid the non-parallel sides are congruent	• Both sets of bases angles of an isosceles trapezoid are congruent (find one angle you can find them all)	• The diagonal of an isosceles trapezoid are congruent
Parallelogram A quadrilateral with two pairs of parallel sides.	• Opposite sides are congruent	• Opposite angles are congruent • Consecutive angles are supplementary (find one angle you can find them all)	• The diagonals bisect each other
Rhombus An equilateral parallelogram.	All of the same properties of a parallelogram • Opposite sides are congruent	All of the same properties of a parallelogram • Opposite angles are congruent • Consecutive angles are supplementary	All of the same properties of a parallelogram and... • The diagonals of a rhombus are ⊥ bisectors of one another • The diagonals of a rhombus are angle bisectors
Rectangles An equiangular parallelogram.	All of the same properties of a parallelogram • Opposite sides are congruent	All of the same properties of a parallelogram • Opposite angles are congruent • Consecutive angles are supplementary	All the same properties of a parallelogram and... • The diagonals of a rectangle are congruent • The diagonals of a rectangle bisect one another