Quadrilateral Flow Chart - closed figure with all sides Polygon composed of line segments - four-sided polygon **Quadrilateral** - sum of interior angles = 360° Kite Trapezoid Parallelogram - exactly two distinct pairs of - opposite sides are II (parallel) - exactly 1 pair of II sides - opposite sides are \cong (congruent) adjacent \cong sides - opposite angles are \cong - diagonals are \perp Isosceles - one diagonal divides the - consecutive angles = 180° quadrilateral into $2 \cong$ triangles Trapezoid - diagonals bisect each other - one pair of sides are \cong and II - each pair of base angles are \cong - each diagonal divides the - diagonals are \cong quadrilateral into $2 \cong$ triangles - one pair of \cong sides, the legs (not the parallel sides which are Rhombus Rectangle called the bases) - all angles are right angles - all sides are \cong - diagonals are \perp (perpendicular) diagonals are \cong - diagonals bisect opposite angles Square - all angles are right angles - diagonals are \cong - all sides are \cong - diagonals are \perp - diagonals bisect opposite angles