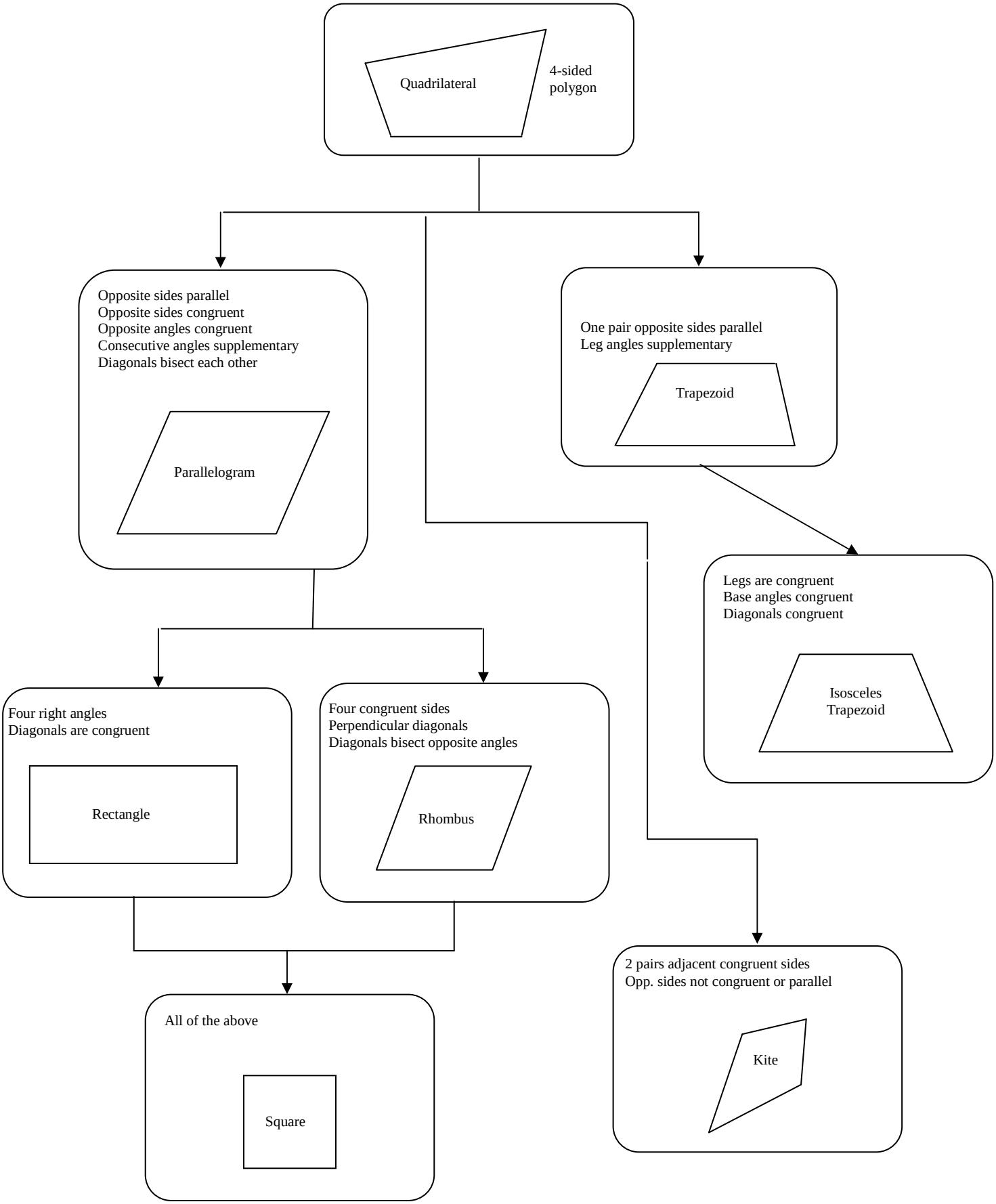
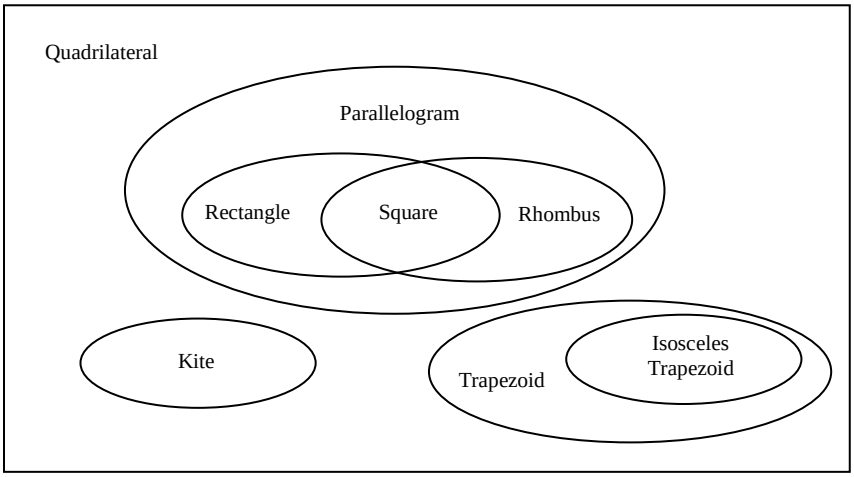
Quadrilateral Family Tree



Properties of Quadrilaterals



Property	Parallel-ogram	Rectangle	Rhombus	Square	Kite	Trapezoid	Isosceles Trapezoid
Opposite sides are parallel	✓	✓	✓	✓			
Opposite sides are congruent	✓	✓	✓	✓			
Opposite angles are congruent	✓	✓	✓	✓			
Diagonals form two congruent triangles	✓	✓	✓	✓			
Diagonals bisect other	✓	✓	✓	✓			
Diagonals are congruent		✓		✓			✓
Diagonals are perpendicular			✓	✓	✓		
Diagonals bisect opposite angles			✓	✓			
All angles are right angles		✓		✓			
All sides are congruent			✓	✓			
Consecutive angles are supplementary	✓	✓	✓	✓			
Two pairs of consecutive congruent sides			✓	✓	✓		
Opposite sides are not congruent or parallel					✓		
Base sides are parallel						✓	✓
Legs are congruent							✓
Base angles are congruent							✓