

7.4 Quadrilaterals p.294

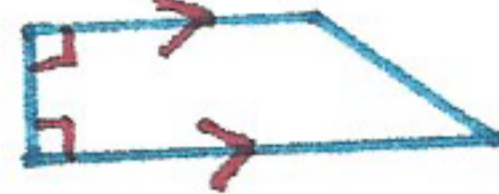
A quadrilateral is any polygon with 4 sides.

- When identifying quadrilaterals, use the name that is most specific.
- Arrows indicate parallel sides

Types:

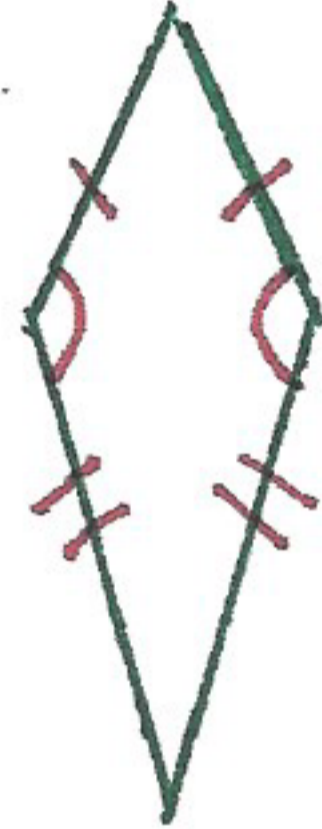
❖ Trapezoid:

- quadrilateral w/ exactly one pair of parallel sides



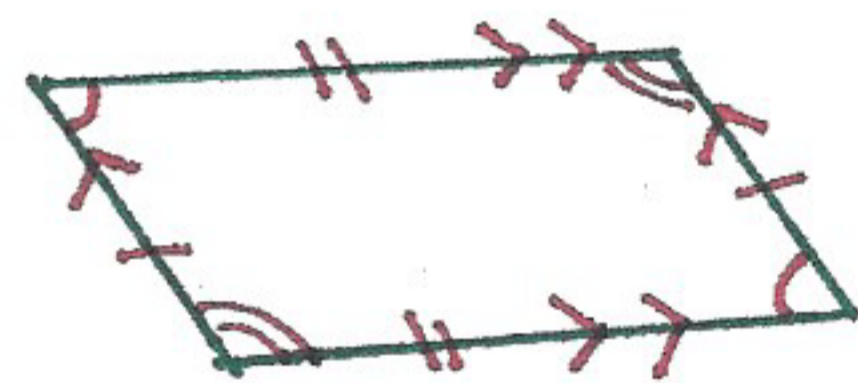
❖ Kite:

- quadrilateral w/ 2 pairs of congruent, adjacent sides and opposite sides that are not congruent
- one set of opposite, congruent angles



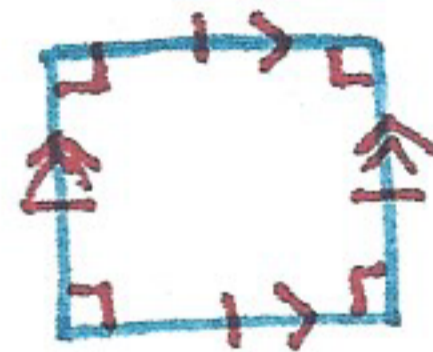
❖ Parallelogram:

- quadrilateral w/ opposite sides congruent and parallel
- opposite angles congruent



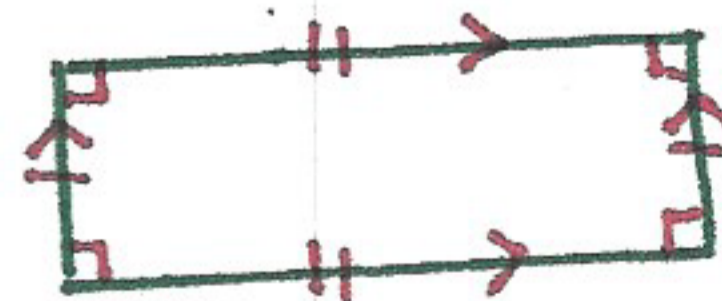
• Square

- ✓ parallelogram
- ✓ 4 congruent sides
- ✓ 4 right angles



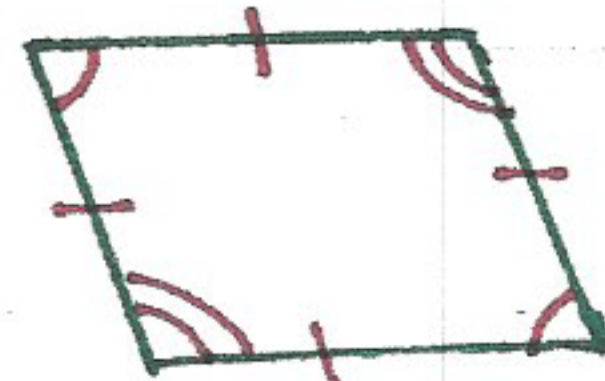
• Rectangle

- ✓ parallelogram
- ✓ 2 pairs of congruent sides
- ✓ 4 right angles

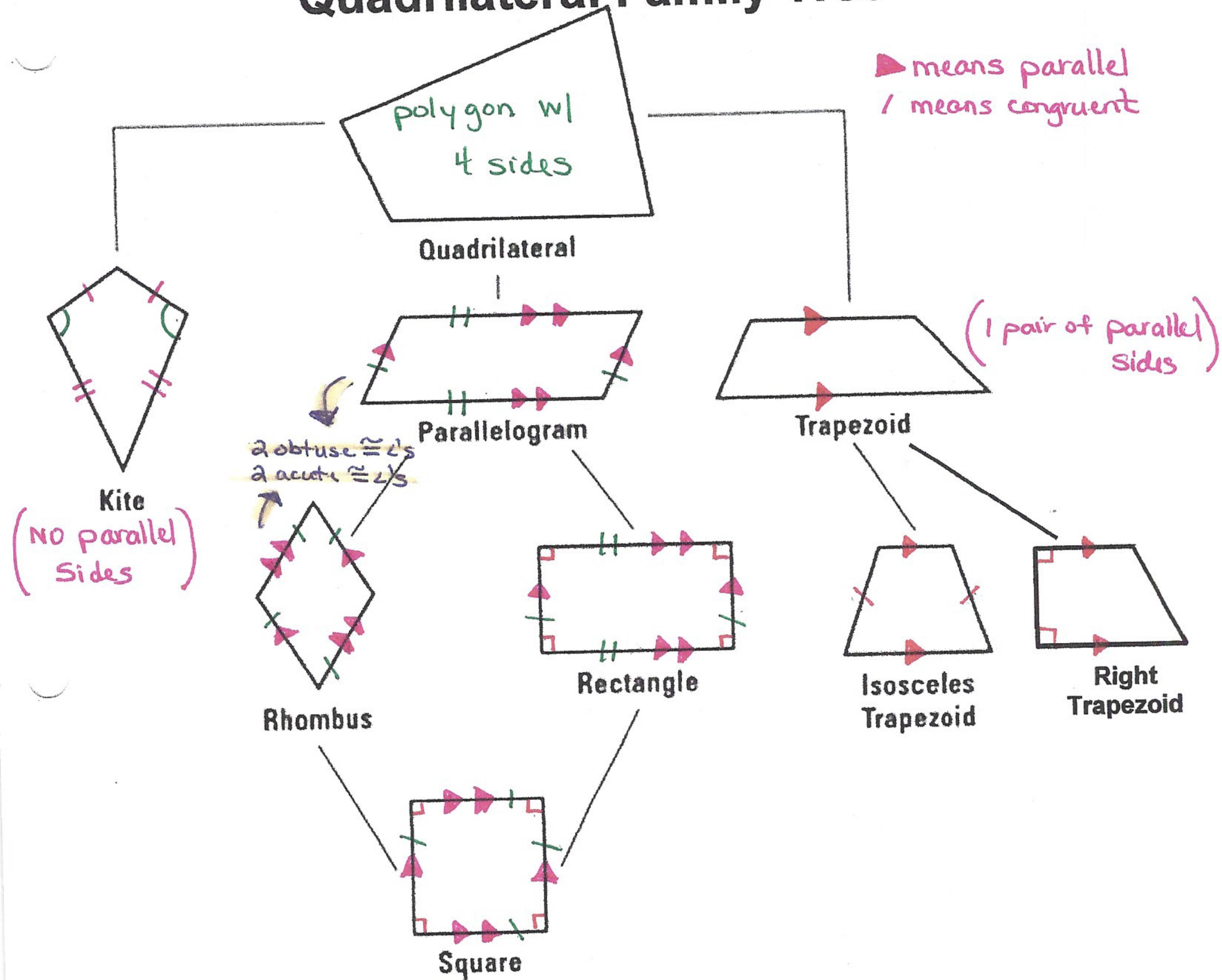


• Rhombus (slanted square)

- ✓ Parallelogram
- ✓ 2 obtuse angles
- ✓ 2 acute angles



Quadrilateral Family Tree



When identifying quadrilaterals, use the name that is most specific.