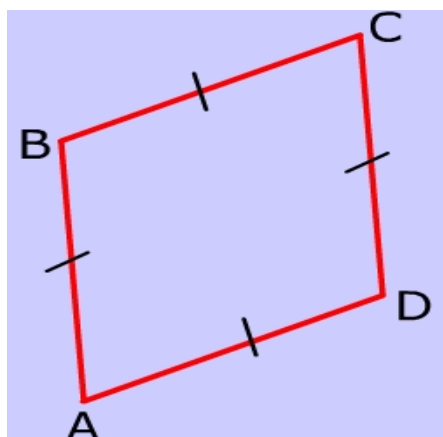


Rhombus, Trapezoid, and Kite



Rhombus:
A parallelogram with opposite equal acute angles, opposite equal obtuse angles, and four equal sides

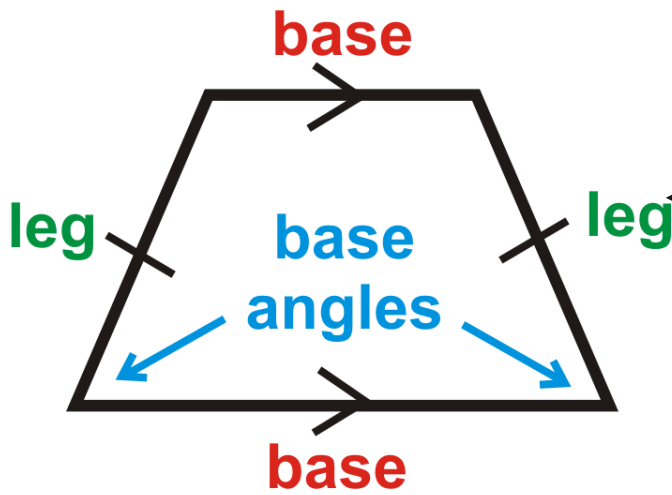


Theorem:
A rhombus is a parallelogram with four congruent sides

- Properties:**
- Opposite angles of a rhombus have equal measures.
 - Its diagonals bisect opposite angles.



Real life example:
Is a baseball diamond(s). It's important because the landscapers that design the diamond are supposed to know how to shape it. Additionally, in patterns the designer has to know how to sew the shape.



Trapezoid:
A quadrilateral with only one pair of parallel sides.

Properties:

- The bases (top and bottom) of a trapezoid are parallel.
- Opposite sides of a trapezoid are the same length (congruent).
- The angles on either side of the bases are the same size/measure (congruent).

Theorems:

The mid-segment of a trapezoid is parallel to each base and its length is one half the sum of the lengths of the bases.

Real Life Example:

Making a design for some reusable bags.

- Also for architecture like windows and bridges .

