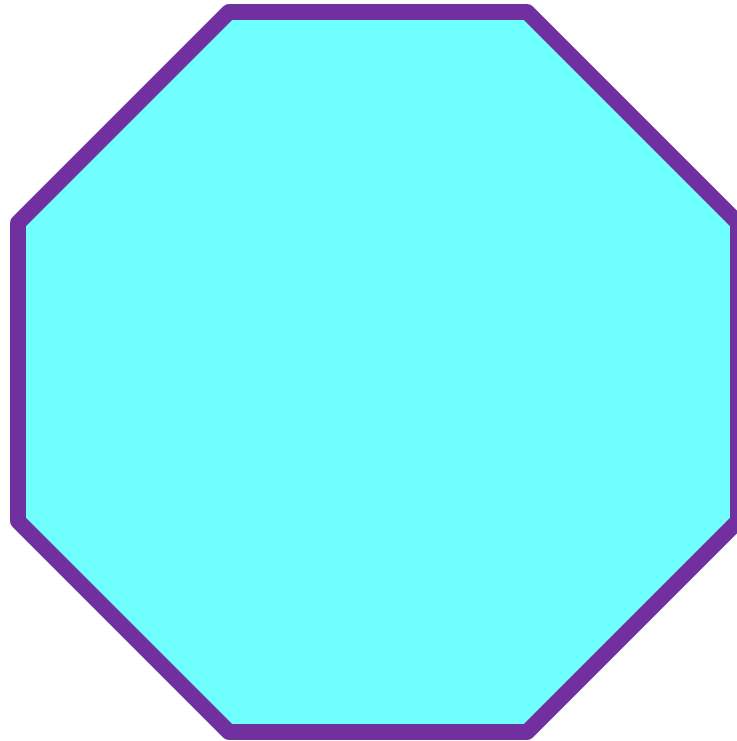


Chapter 6

Review

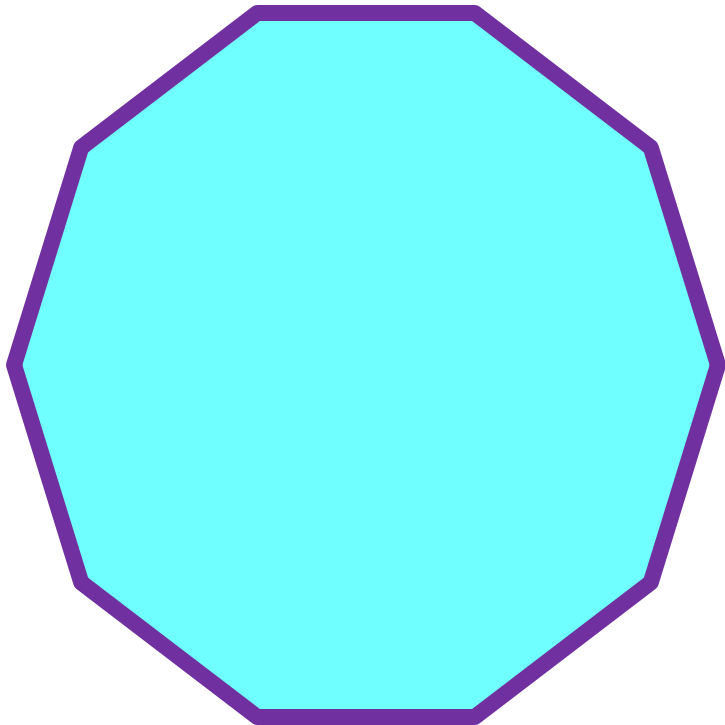
POLYGON SUM FORMULA

The sum of all the angles in an n -gon (any polygon) is _____ .



EQUIANGULAR POLYGON FORMULA

The measure of one angle in any equiangular polygon can be found with the expression:





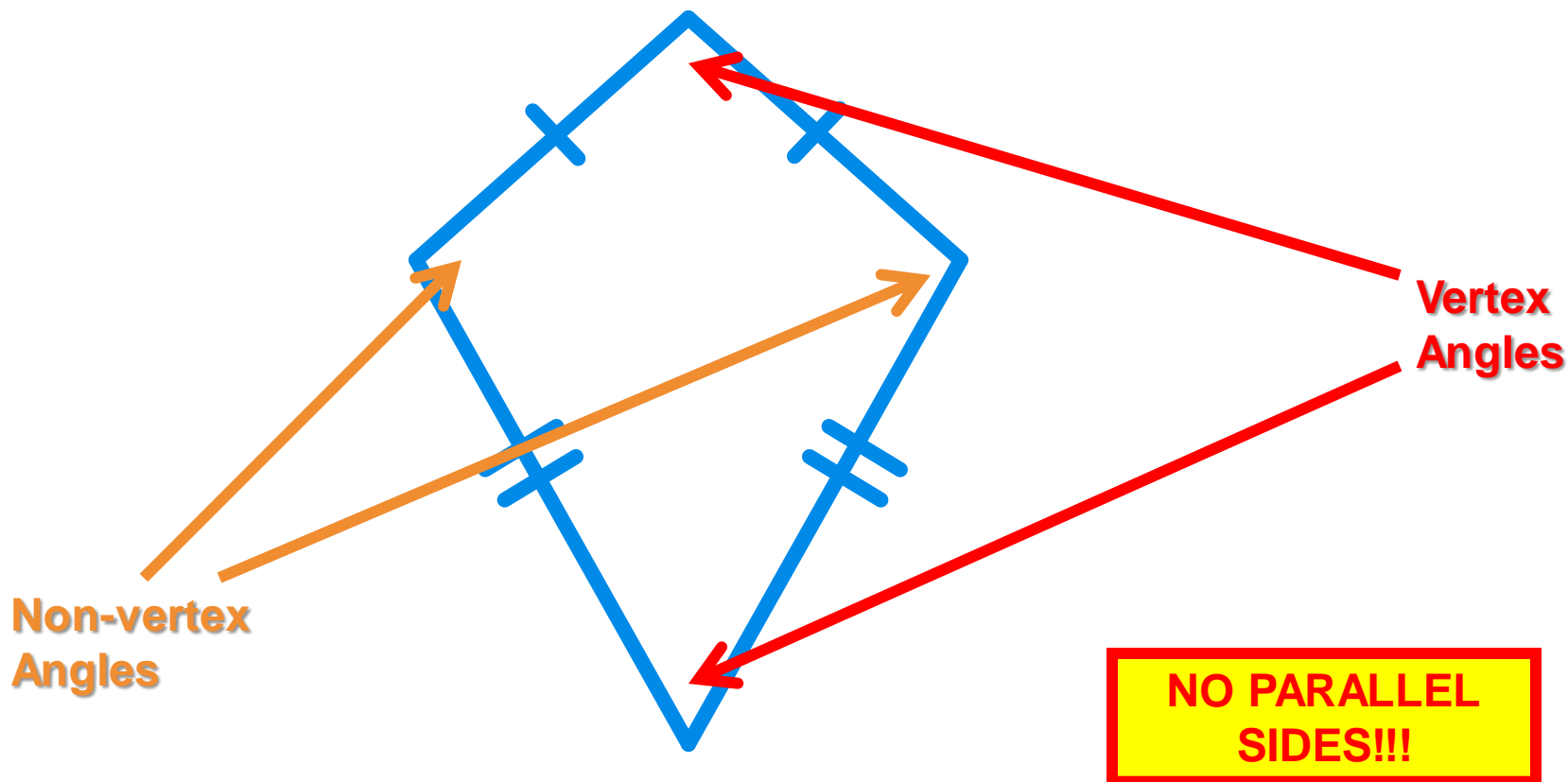
POLYGON EXTERIOR ANGLE THEOREM

The sum of the exterior angles in any polygon is _____ degrees

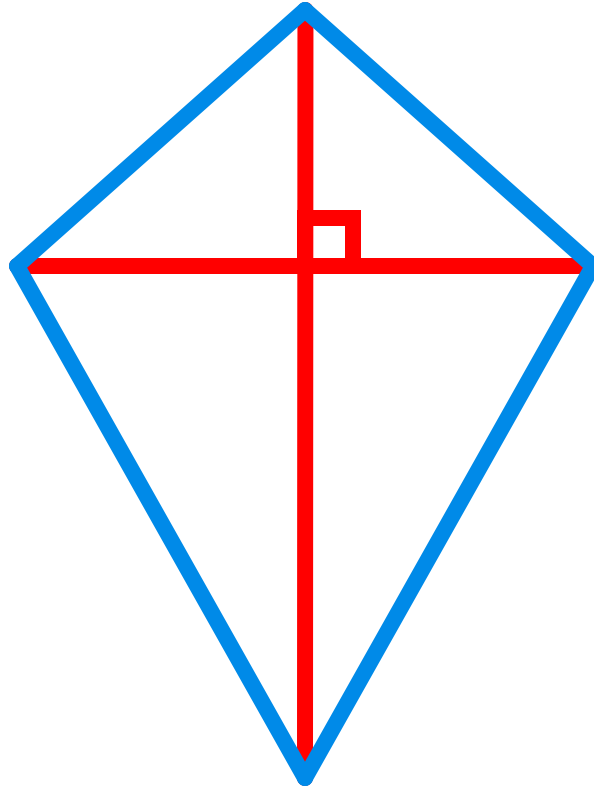
Review

KITE

A quadrilateral with exactly 2 pairs of distinct congruent consecutive sides



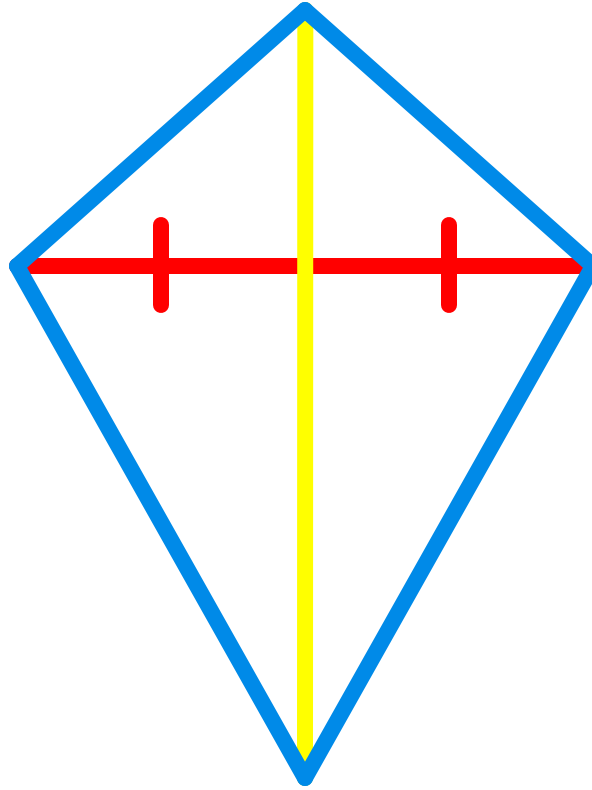
OBSERVATIONS



KITE DIAGONALS THEOREM

Diagonals of a kite are _____.

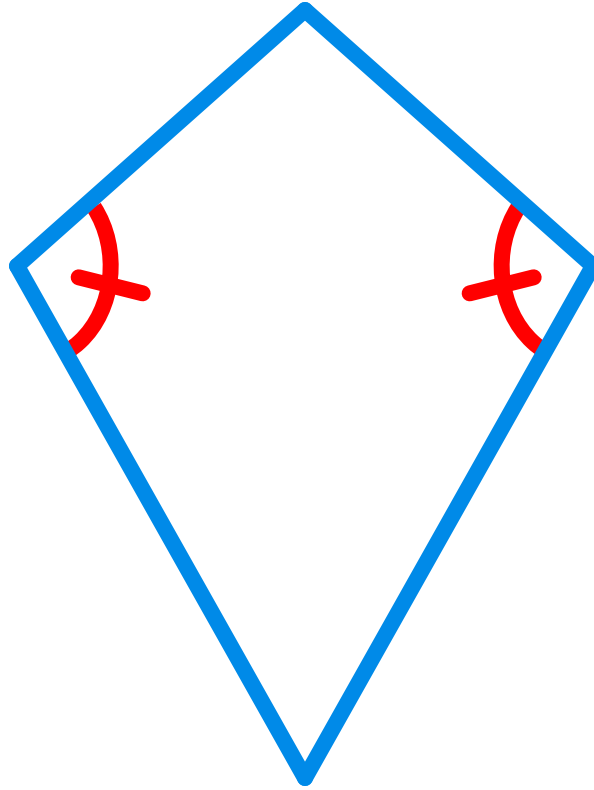
OBSERVATIONS



KITE DIAGONAL BISECTOR THEOREM

The diagonal connecting the vertex angles
_____ the non-vertex angle diagonal

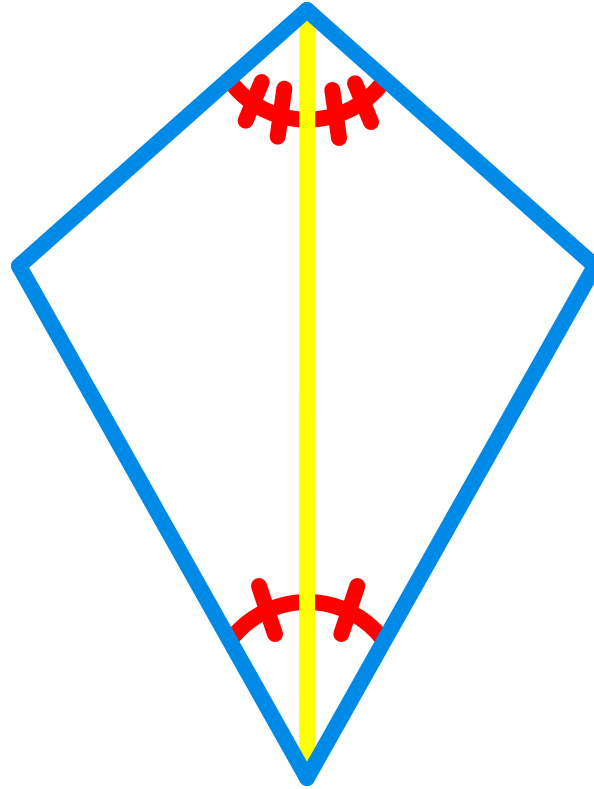
OBSERVATIONS



KITE ANGLES THEOREM

Non-vertex angles of a kite are _____ .

OBSERVATIONS



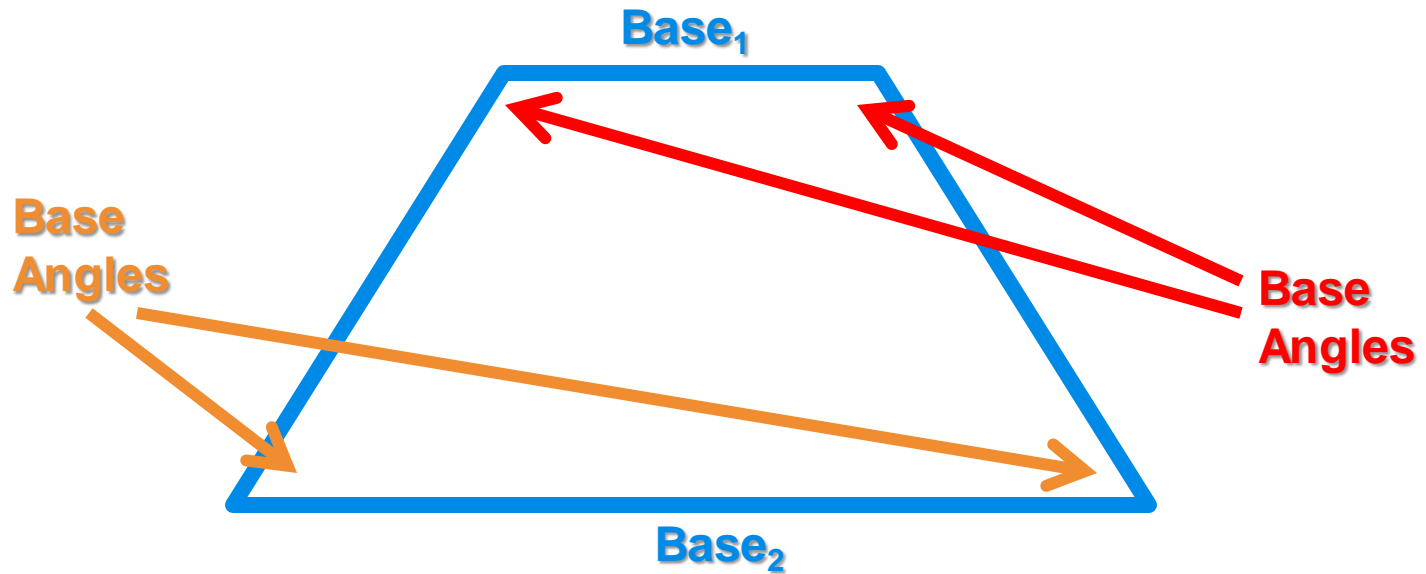
KITE ANGLE BISECTOR THEOREM

The vertex angles of a kite are _____
by the _____ .

Review

TRAPEZOID

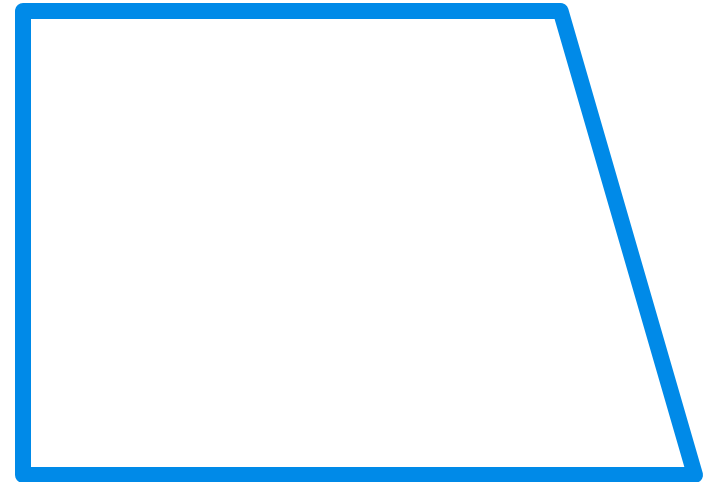
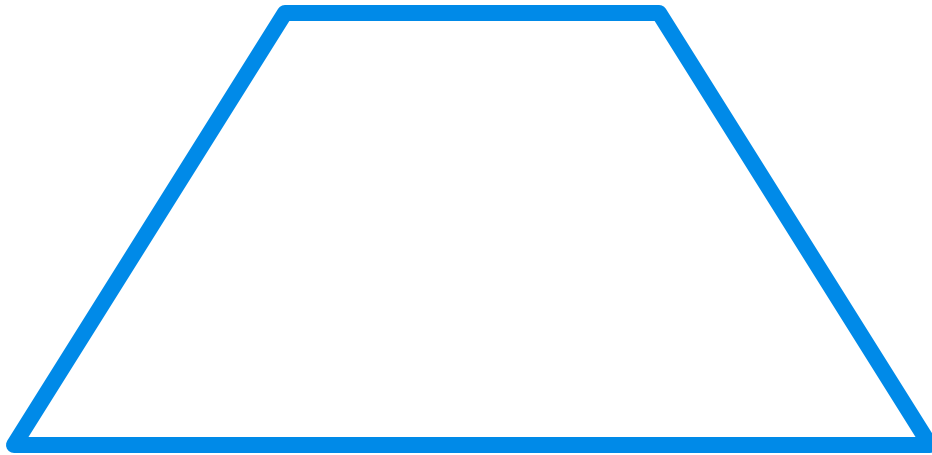
A quadrilateral with exactly one pair of parallel sides



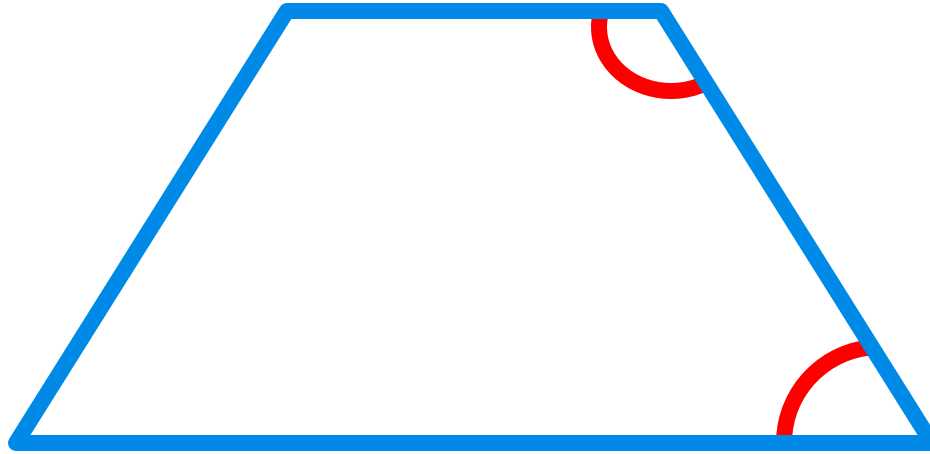
Review

TRAPEZOID

A quadrilateral with exactly one pair of parallel sides



OBSERVATIONS

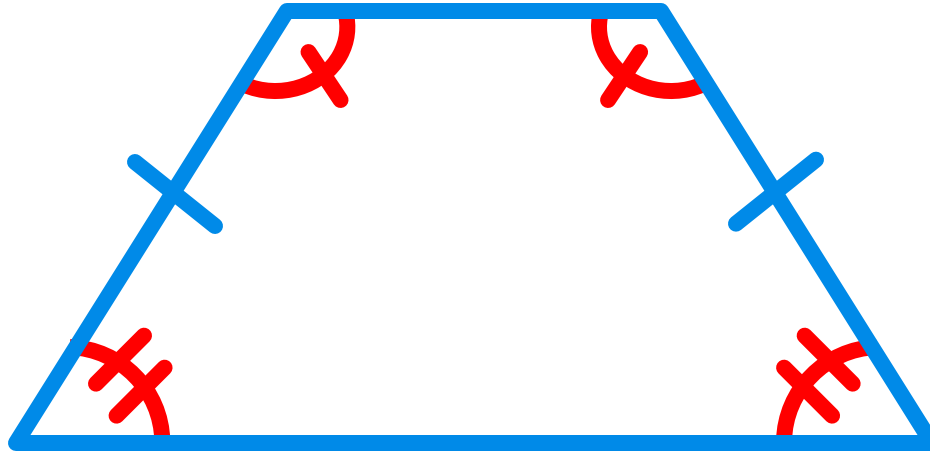


TRAPEZOID CONSECUTIVE ANGLE THEOREM

Consecutive angles between bases are

_____ .

OBSERVATIONS

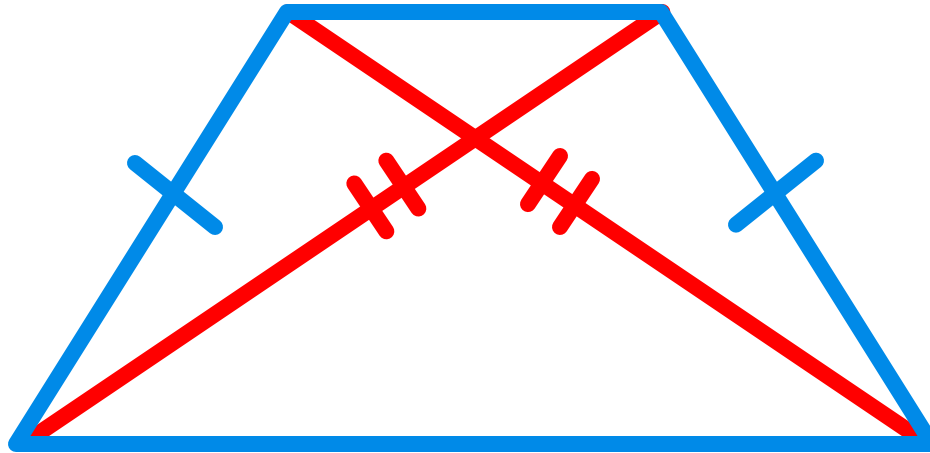


ISOSCELES TRAPEZOID THEOREM

Base angles in an isosceles trapezoid are

_____ .

OBSERVATIONS

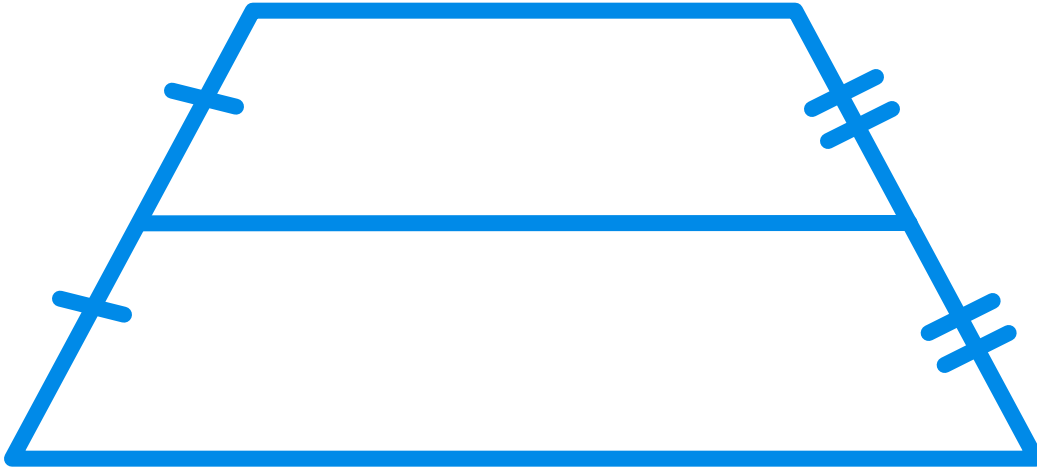


ISOSCELES TRAPEZOID DIAGONAL THEOREM

Diagonals in an isosceles trapezoid are

_____ .

OBSERVATIONS



TRAPEZOID MIDSEGMENT THEOREM

The midsegment of a trapezoid is _____
to the bases and its length is the _____
of the two bases.

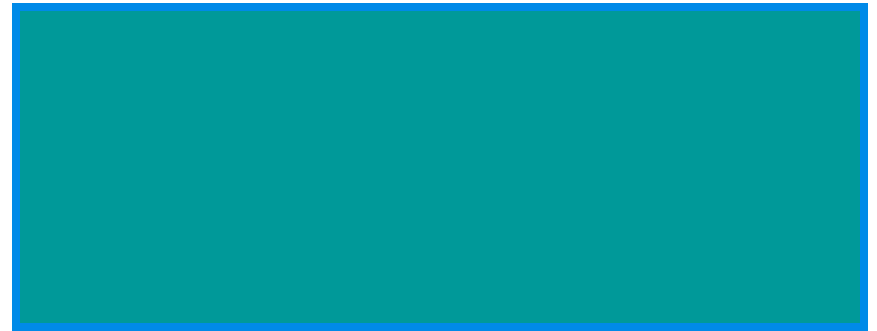
What is a Parallelogram?

- **Opposite sides are parallel**
- **Opposite sides are congruent**
- **Opposite angles are equal**
- **Consecutive angles supplementary**
- **Diagonals bisect each other**



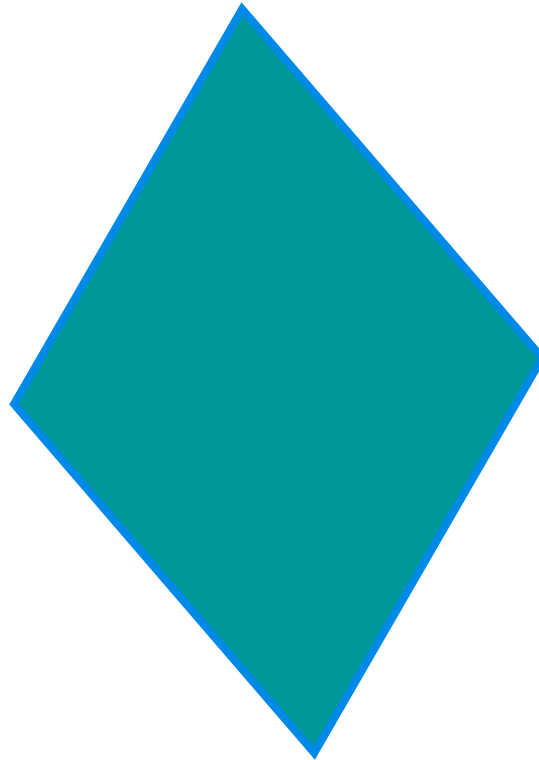
What is a Rectangle?

- **Rectangles are special parallelograms**
 - Has all the properties of a parallelogram
- **All angles are congruent**
 - Each angle is 90°



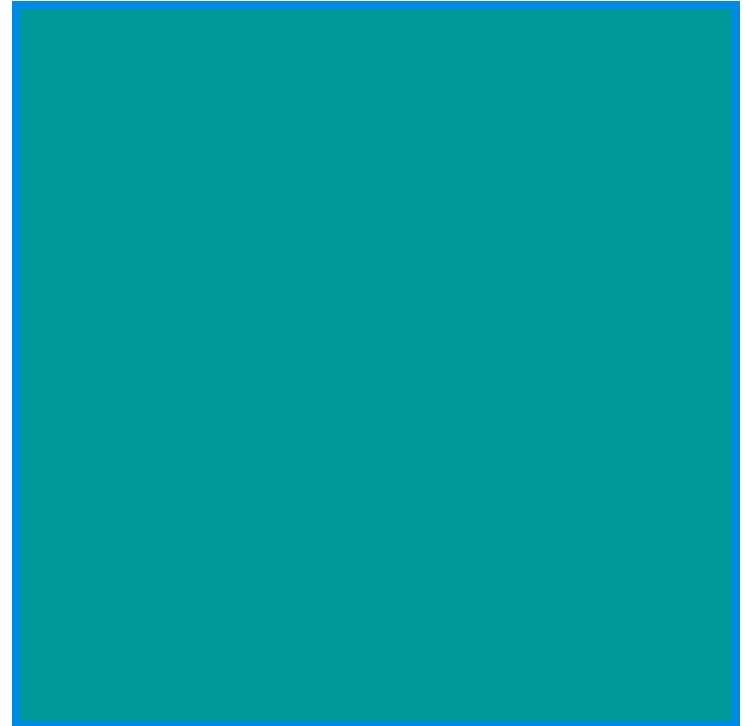
What is a Rhombus?

- **Rectangles are special parallelograms**
 - Has all the properties of a parallelogram
- **Has four congruent sides**
- **Sometimes called a diamond**



What is a Square?

- **Squares are special parallelograms**
 - Has all the properties of a parallelogram
- **A square is a kind of rectangle**
 - Each angle is 90°
- **A square is also a special rhombus**
 - All sides are congruent



What is a Square?

- **A square is an equilateral rectangle**
- **A square is an equiangular rhombus**
- **A regular quadrilateral**

