Quadrilaterals
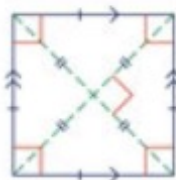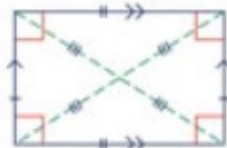
What is a quadrilateral?

Any shape with four angles and four sides is a quadrilateral.
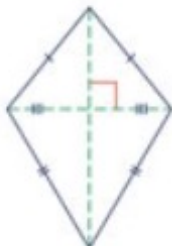These are special quads with particular properties:

Square

1. Four equal sides.

2. Four right angles.

3. Opposite sides are parallel.

4. Diagonals are equal and bisect one another at right angles.
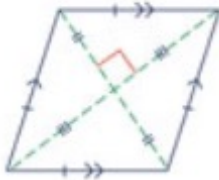
Rectangle

1. Opposite sides are equal and parallel.

2. Four right angles.

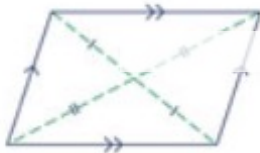3. Diagonals are equal and bisect one another.

Kite

1. Adjacent sides are equal.

2. Diagonals intersect at 90°.

3. One diagonal bisects the other.

Rhombus

1. Four equal sides.

2. Opposite sides are parallel.

3. Opposite angles are equal.

4. Diagonals bisect one another at 90°.

Parallelogram

1. Opposite sides are equal and parallel.

2. Opposite angles are equal.

3. Diagonals bisect one another.

Trapezium

One pair of opposite sides parallel.