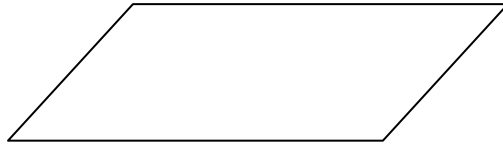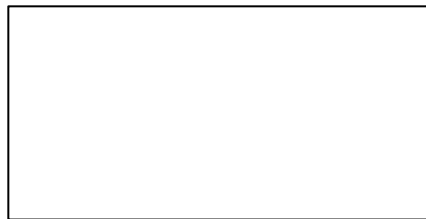# Parallelograms

Parallelogram

Definition: quadrilateral with two pairs of parallel sides

Properties:
- Opposite sides are congruent
- Opposite angles are congruent
- Diagonals bisect each other
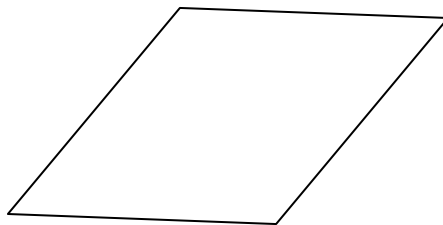- Consecutive angles are supplementary

Rectangle

Quadrilateral with 4 right angles

（Parallelogram properties apply）
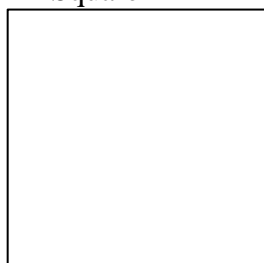
–The diagonals are congruent

Rhombus

Quadrilateral with 4 congruent sides

（Parallelogram properties apply）

- Diagonals cross each other at 90ºangles （perpendicular）

- The diagonals bisect the angles they connect

Square

4 right angles, 4 congruent sides

A square is a parallelogram, and a rectangle, and a rhombus.

So it has all of the properties listed above.