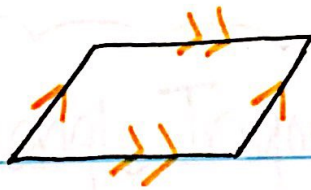


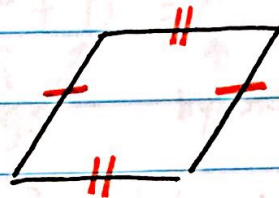
Parallelograms



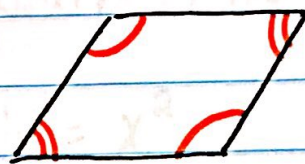
Def: A quadrilateral whose opposite sides are parallel

Properties:

① Opposite sides are congruent



② Opposite angles are congruent



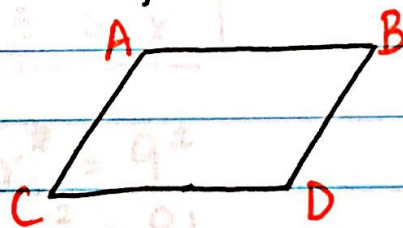
③ Consecutive angles are supplementary (180°)

$$\angle A + \angle B = 180^\circ$$

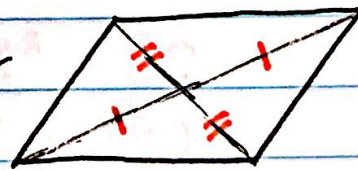
$$\angle B + \angle D = 180^\circ$$

$$\angle A + \angle C = 180^\circ$$

$$\angle C + \angle D = 180^\circ$$

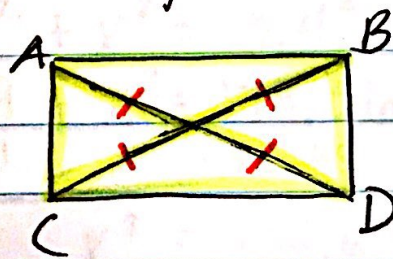


④ Diagonals bisect each other



⑤ Rectangles have congruent diagonals

$$\overline{AD} \cong \overline{CB}$$



* Makes Isosceles Triangle