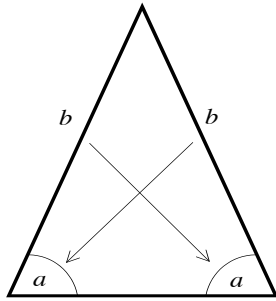


ANGLES THAT ARE EQUAL AND SIDES THAT ARE EQUAL

1)

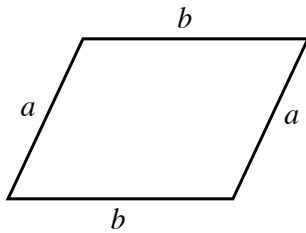


The base angles (opposite equal sides) of an isosceles triangle are equal.

$$a = a$$

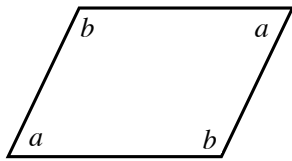
$$b = b$$

2)



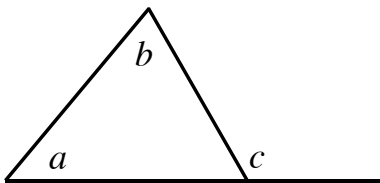
The opposite sides of a parallelogram (rectangle, rhombus, square) are equal.

3)



The opposite angles of a parallelogram are equal.

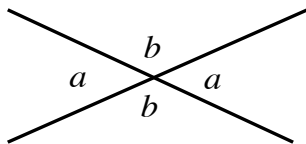
4)



An exterior angle of a triangle is equal to the sum of its two remote interior angles.

$$a + b = c$$

5)

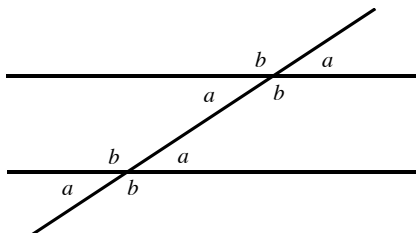


Vertical angles are equal.

$$\text{big} = \text{big}$$

$$\text{little} = \text{little}$$

6)

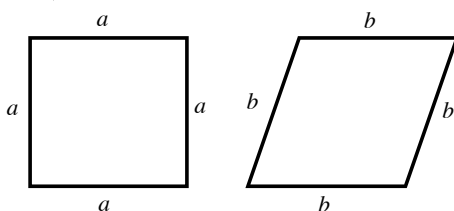


Parallel lines intersected by a transversal (another line)

$$\text{big} = \text{big}$$

$$\text{little} = \text{little}$$

7)



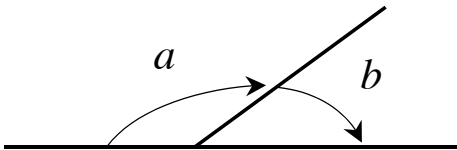
The 4 sides of a square are equal.

The 4 sides of a rhombus are equal.

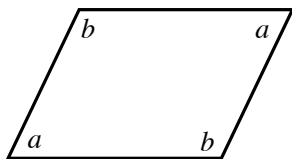
ANGLES THAT ADD UP TO EQUAL 180° ($a + b = 180$)

1) Supplementary Angles

2)

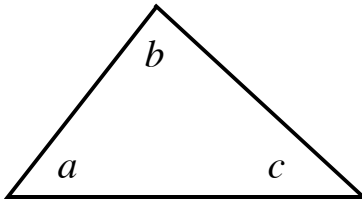


3)



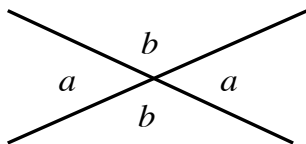
Consecutive angles of a parallelogram
(rectangle, square, rhombus)

4)



The three interior angles of any triangle
 $a + b + c = 180$

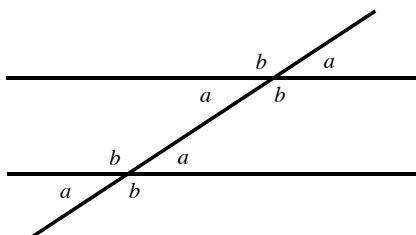
5)



Intersecting lines

$$\text{big angle} + \text{little angle} = 180$$

6)



Parallel lines intersected by a
transversal (another line)

$$\text{big angle} + \text{little angle} = 180$$