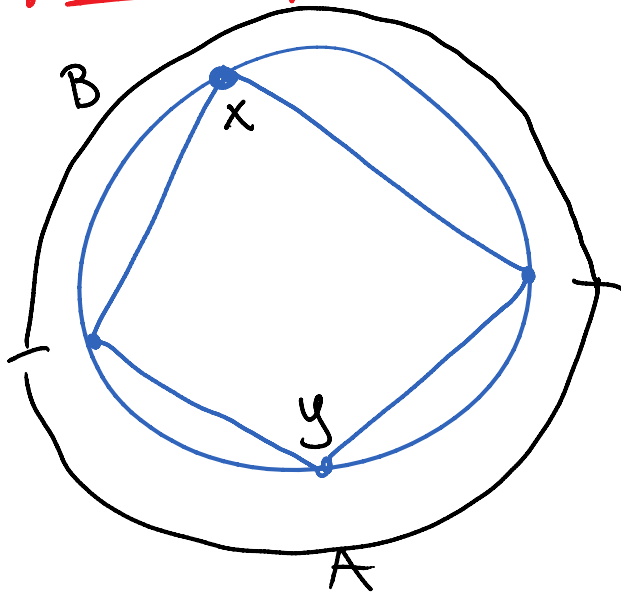


10.6 Three helpful Thms.



★ A  $\parallel$ -gram inscribed in a circle is a rectangle.

If Quad in Circle then opp.  $\angle$ 's are supp.

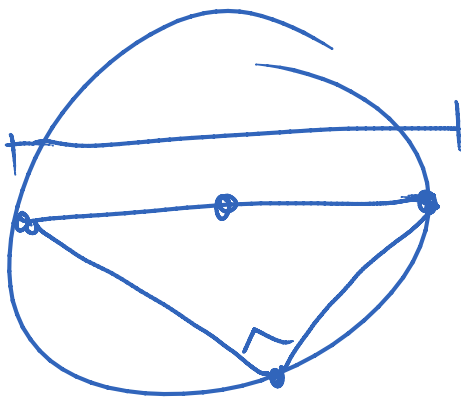
$$x = \frac{1}{2}A$$
$$y = \frac{1}{2}B$$

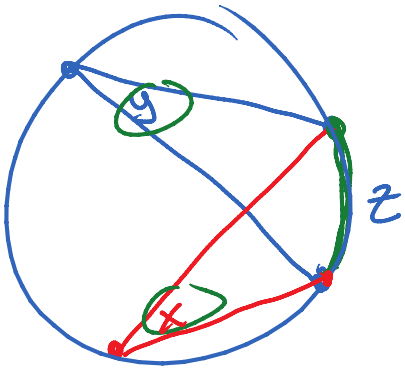
$$A + B = 360^\circ$$

$$x + y = \frac{1}{2}A + \frac{1}{2}B$$

$$x + y = \frac{1}{2}(A + B)$$

$$x + y = 180$$





$$y = \frac{1}{2} z$$

$$x = \frac{1}{2} z$$

If two inscribed  $\angle$ 's intercept the same Arc, then they are  $\cong$ .

