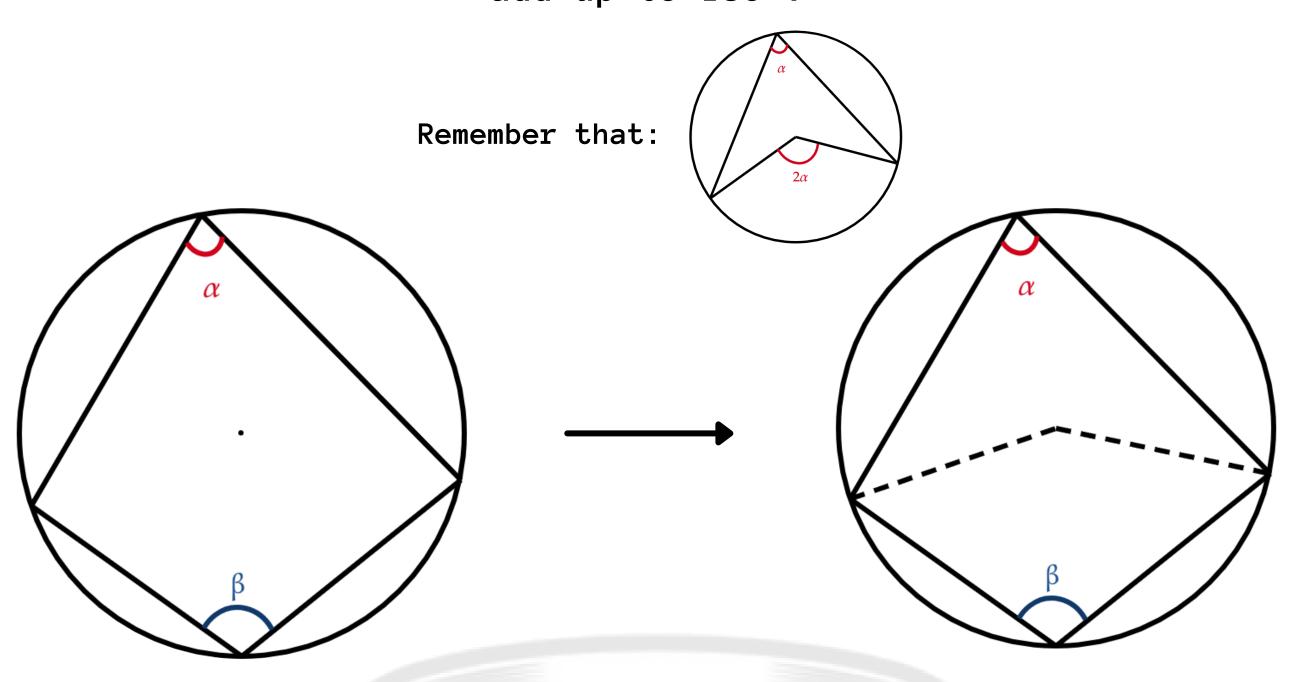
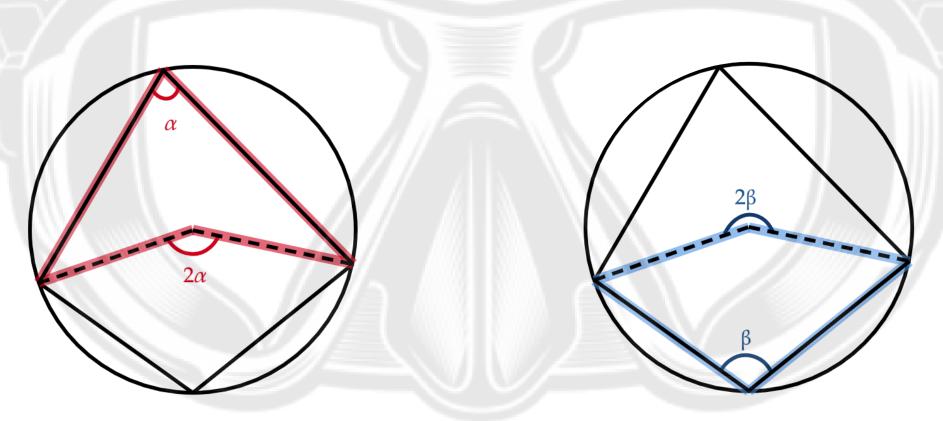
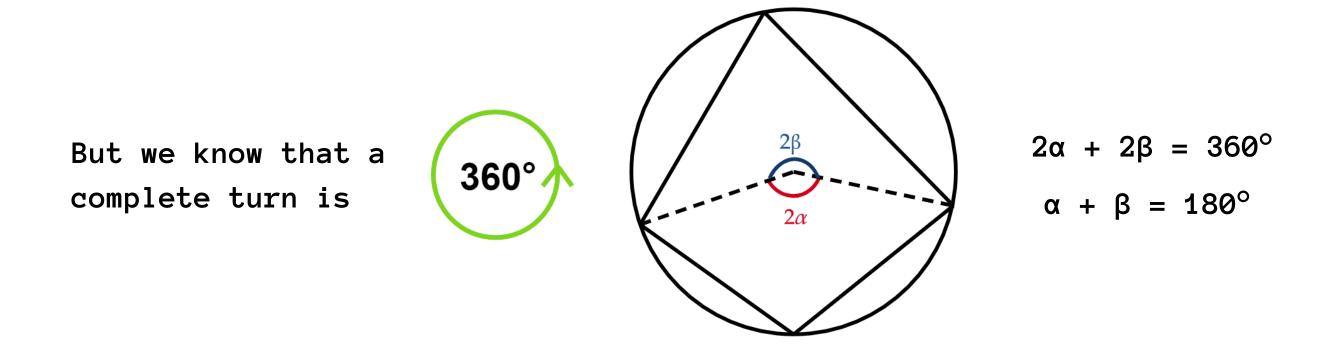
Why do opposite angles (α and β) in a cyclic cuadrilateral add up to $180^{\circ}\,?$



We are going to add 2 segments that go from the center to the circumference (dashed lines).



If we apply the angle at the center theorem



 \therefore Opposite angles in a cyclic quadilateral add up to 180°