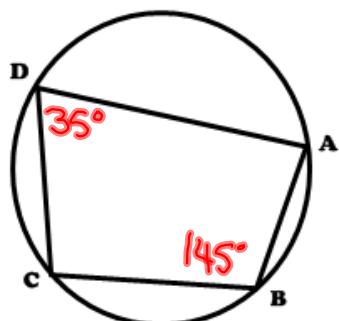


## **Concyclic Points & Cyclic Quadrilaterals**

### **Cyclic Quadrilateral Property I**

The opposite angles in a cyclic quadrilateral add up to  $180^\circ$ .



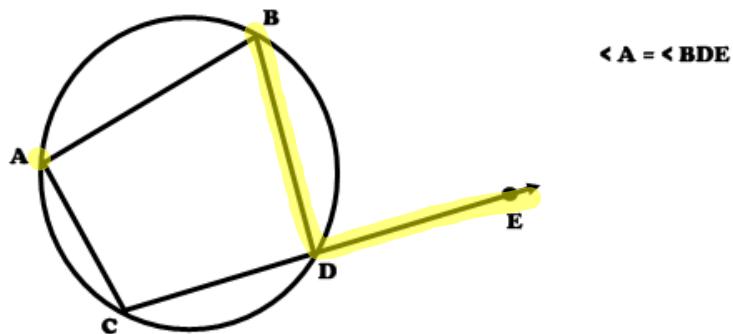
$$\angle A + \angle C = 180^\circ$$

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

$$\begin{aligned}\angle B &= 180 - 35 \\ &= 145^\circ\end{aligned}$$

## Cyclic Quadrilateral Property II

The exterior angle of a cyclic quadrilateral is equal to the interior opposite angle.



Homework:

Do #1-5 , 9