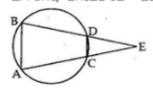


## Exercise 11C

## Question 28:

Given: AB and CD are two parallel chords of a circle BDE and ACE are straight lines which intersect at E. If one side of a cyclic quadrilateral is produced then the exterior angle is equal to the interior opposite angle.

∴ Ext∠EDC = ∠A and, Ext∠DCE = ∠B



Also, AB CD

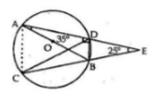
 $\angle EDC = \angle B$ and  $\angle DCE = \angle A$  $\angle A = \angle B$ 

Δ AEB is isosceles.

## Question 29:

AB is a diameter of a circle with centre O. ADE and CBE are straight lines, meeting at E, such that∠BAD = 35° and  $\angle BED = 25^{\circ}$ .

Join BD and AC.



\*\*\*\*\*\*\*\*\*\* END \*\*\*\*\*\*\*\*