## $\square ABCD$ 의 외접원이 존재한다.

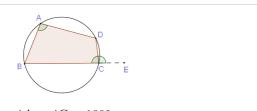
 $\updownarrow$ 

## $\square ABCD$ 의 내접원이 존재한다.

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네 점이 한 원 위에 있다.

 $\updownarrow$ 

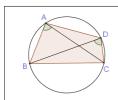


$$\angle A + \angle C = 180^\circ$$

$$\angle A = \angle DCT$$

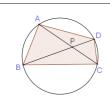
$$\overline{AB} + \overline{CD} = \overline{AD} + \overline{BC}$$

1



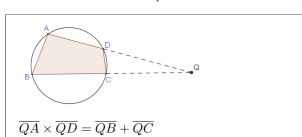
 $\angle BAC = \angle BDC$ 

1



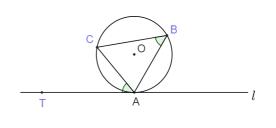
 $\overline{PA} \times \overline{PC} = \overline{PB} + \overline{PD}$ 

 $\uparrow$ 



직선 l이 원 O에 접한다.

1



 $\angle ABC = \angle CAT$ 

**\$** 

