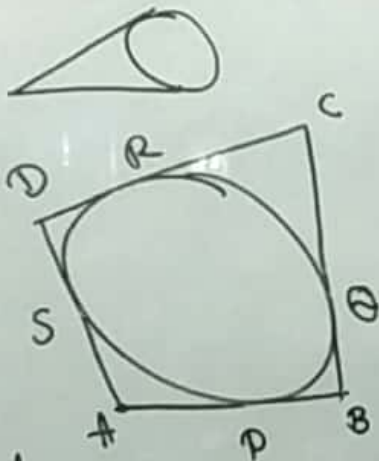


Circle

⑧



$$AP = AS$$

$$BP = BQ$$

$$CR = CQ$$

$$DR = DS$$

$$\text{L.H.S } AB + CD$$

$$= AP + PB + CR + DR$$

$$= \textcircled{AS} + BQ + CQ + \textcircled{DS}$$

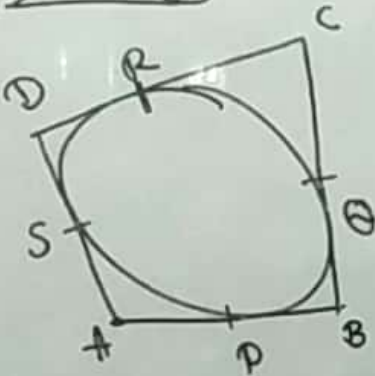
$$= (AS + DS) + (BQ + CQ)$$

$$= AD + BC$$

Circle



①



ABCD is a \parallel^m

$$AB = CD$$

$$AD = BC$$

Sum of 8



$$AB + CD = AD + BC$$

$$CD + CD = BC + BC$$

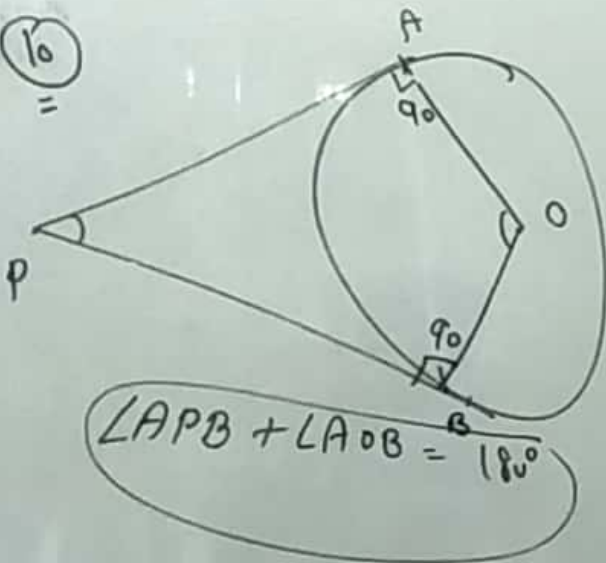
$$2CD = 2BC$$

$$\text{So } BC = CD$$

$$\text{So } AB = BC = CD = DA$$

Rhombus

10
=



In Quadrilateral PAOB

$$\angle APB + \angle AOB + 90 + 90 = 360$$

$$\angle APB + \angle AOB = 360 - 180$$

$$\angle APB + \angle AOB = 180$$

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