FM-15
Time-35 minutes

Class Test

Topic- Quadrilateral

Choose correct option $1 \times 3 = 3$

1. If the angles of a quadrilateral are $x°, (2x-10)°, (x+30)°$ and $(x+20)°$, then the largest angle is

A. $120°$ B. $125°$ C. $118°$ D. $112°$

2. A parallelogram has adjacent angles of measures $(4x+10)°$ and $(2x-10)°$. The smaller angle is

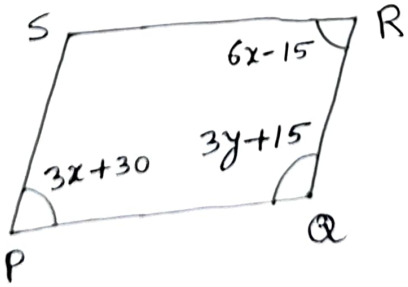
A. $80°$ B. $100°$ C. $50°$ D. $120°$

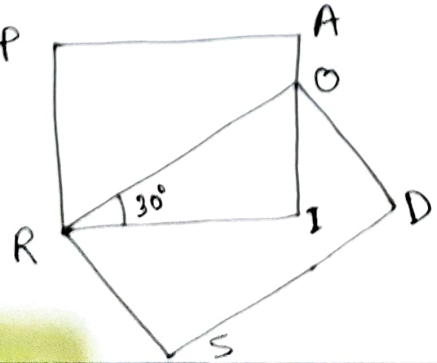
3. Which statement is true for an isoceles trapezium?

A. Diagonals are equal
B. Opposite angles are equal
C. All sides are equal
D. Diagonals bisect each other.

Answer the following questions $4 \times 3 = 12$

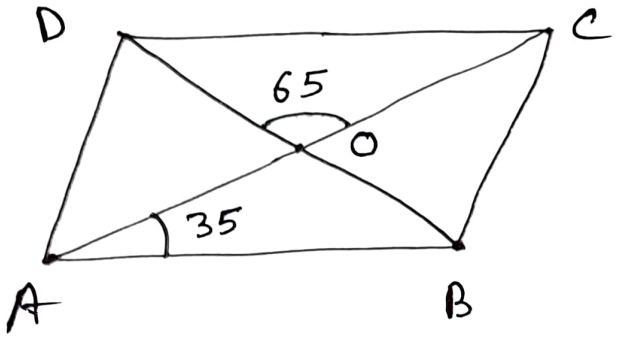
4. In given figure, PQRS is a parallelogram. Find the value of x and y. Also find value of each angle.



5. 

If PAIR and RODS are two rectangles then find $\angle IOD$.

6. In figure ABCD is a parallelogram in which $\angle BAO = 35°$ and $\angle COD = 65°$. Find $\angle ABO$ and $\angle ODC$.



7. ABCD is a trapezium such that $AB \parallel CD$, $\angle A : \angle D = 2:1$, $\angle B : \angle C = 7:5$. Find $\angle A, \angle B, \angle C, \angle D$.