Class Test on Quadrilateral

Class – VIII **Full Marks: 12**

Choose the correct option: **1x3=3**

1. Which of the following is true for the adjacent angles of a parallelogram?

(i) they are equal to each other (ii) they are complementary angles

(iii) they are supplementary angles (iv) none of these.

2. Which of the following is a formula to find the sum of interior angles of a quadrilateral of n-sides?

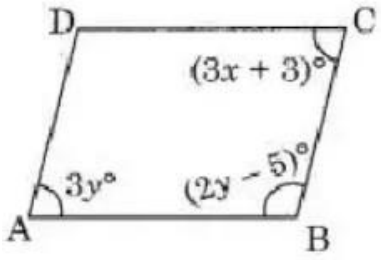
(i) $\frac{n}{2} \times 180°$ (ii) $\left(\frac{n+1}{2}\right) \times 180°$ (iii) $\left(\frac{n-1}{2}\right) \times 180°$ (iv) $(n - 2) \times 180°$

3. Diagonals of which of the following quadrilaterals do not bisect it into two congruent triangles?

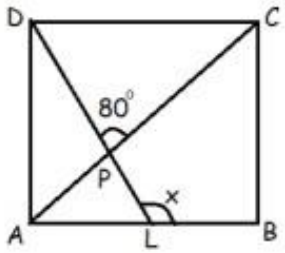
(i) rhombus (ii) trapezium (iii) square (iv) rectangle.

Answer the following questions: **3x3=9**

4. ABCD is a parallelogram. Find value of x and y.



5. In the figure, ABCD is a square. If ∠ DPC = 80°, then find x.



6. A diagonal and a side of a rhombus are of equal length. Find the measure of the angles of the rhombus.