

FM-15

Time-35 Min

Class Test

Topic - Quadrilateral

Choose the correct option

1X3=3

1. A trapezium has

- A. two pairs of parallel sides
- B. one pair of parallel sides
- C. all sides equal
- D. all angles 90°

2. In a kite, the pair of unequal sides are always

- A. opposite sides
- B. adjacent sides
- C. parallel sides
- D. none of the above

2. In a rhombus the diagonals intersect each other at

- A. equal length but not at 90°
- B. unequal length at 90°
- C. equal length at 90°
- D. unequal length and not at 90°

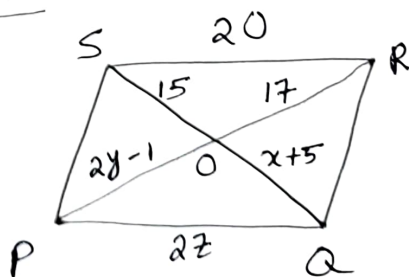
3. A quadrilateral has three right angles, the fourth angle will be:

- A. acute
- B. obtuse
- C. right
- D. none of these

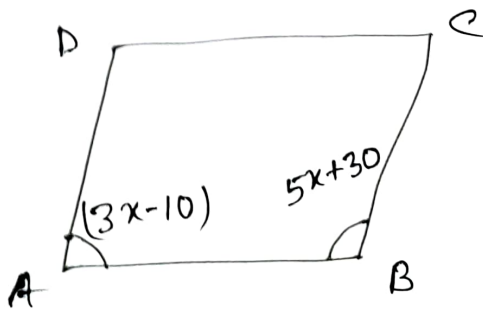
Answer the following questions

4X3=12

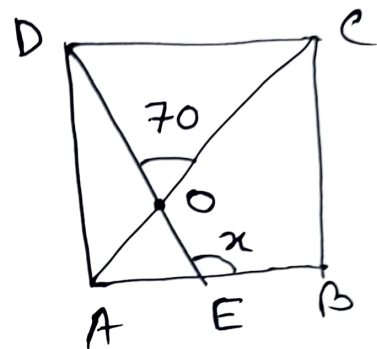
4. In parallelogram PQRS, find value of x, y, z .



5. In parallelogram ABCD, $\angle A = (3x-10)^\circ$, $\angle B = (5x+30)^\circ$. Find all angles.



6. $ABCD$ is a square and $\angle DOC = 70^\circ$. Then find value of x .



7. $PQRS$ is a rectangle whose diagonals PR and QS intersect at O . If $\angle POQ = 110^\circ$ then find $\angle OSP$ and $\angle ORQ$.

