



ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



CLASS 8

SUBJECT :Algebra and Geometry

Work sheet 3

Marks:15

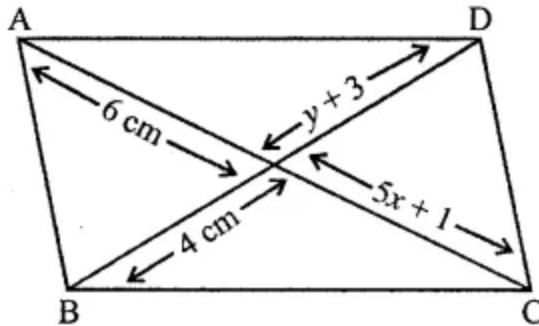
SPECIAL TYPES OF QUADRILATERAL

(Continued)

Date:9.4.2020

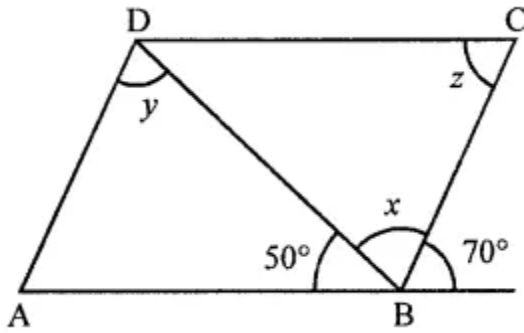
Answer all the following questions($1 \times 15 = 15$)

1. In the given figure, ABCD is a parallelogram, the values of x and y respectively are
 - (a) 1 cm, 1 cm
 - (b) 2 cm, 1 cm
 - (c) 1 cm, 2 cm
 - (d) 2 cm, 2 cm



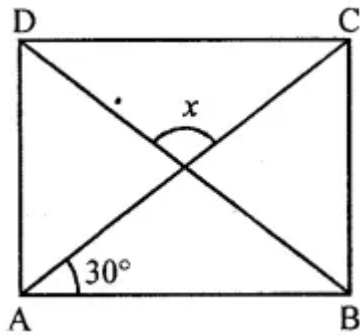
2. In the given figure, ABCD is a parallelogram, the values of x , y and z respectively are
 - (a) 60° , 60° , 70°
 - (b) 60° , 70° , 60°
 - (c) 70° , 60° , 60°

(d) none of these



3. In the given figure, ABCD is a rectangle, the value of angle x is

- (a) 60°
- (b) 90°
- (c) 120°
- (d) none of these



4. In a rhombus ABCD, the diagonals AC and BD are respectively 8 cm and 6 cm.

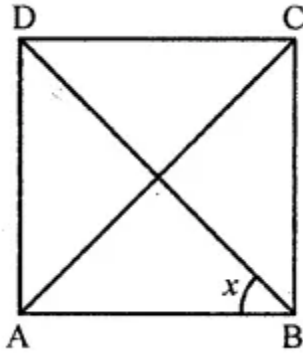
The length of each side of the rhombus is

- (a) 7 cm
- (b) 5 cm
- (c) 6 cm
- (d) 8 cm

5. In the given figure, ABCD is a square, the value of angle x is

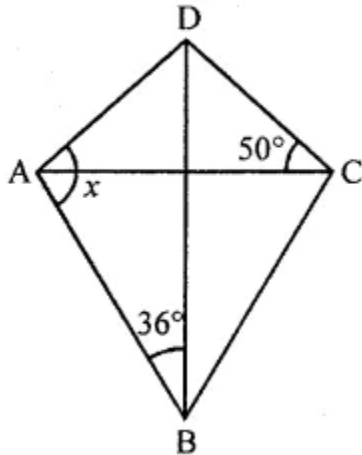
- (a) 30°
- (b) 45°
- (c) 60°

(d) not possible to find



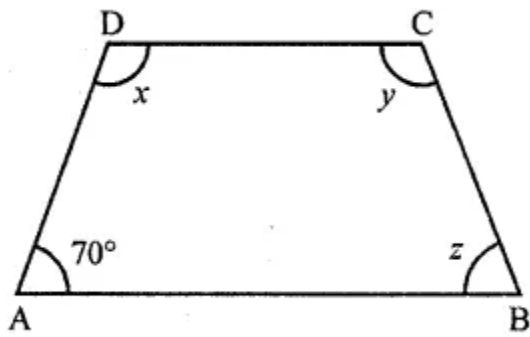
6. In the given figure, ABCD is a kite, the value of angle x is

- (a) 86°
- (b) 100°
- (c) 104°
- (d) none of these

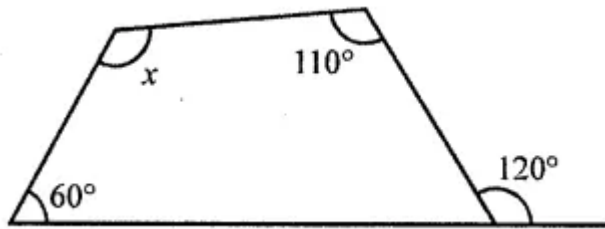


7. In the given figure, ABCD is an isosceles trapezium. The values of x , y and z respectively are

- (a) 110° , 110° , 70°
- (b) 110° , 70° , 110°
- (c) 70° , 110° , 110°
- (d) none of these

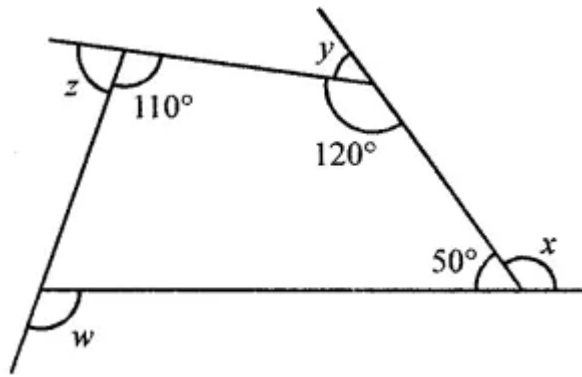


8. In the given figure, the value of x is
- (a) 120°
 - (b) 130°
 - (c) 140°
 - (d) 150°



9. The lengths of two adjacent sides of a parallelogram are in the ratio 1 : 2. If the perimeter of a parallelogram is 60 cm, then the length of its sides are
- (a) 6 cm, 12 cm
 - (b) 8 cm, 16 cm
 - (c) 9 cm, 18 cm
 - (d) 10 cm, 20 cm
10. In the given figure, the value of $x + y + z + w$ is
- (a) 180°
 - (b) 270°
 - (c) 300°

(d) 360°



11. The diagonal of a square bisects the interior angle in how many degree?

- a) 45°
- b) 90°
- c) 75°
- d) 30°

12. The adjacent angles of a parallelogram are 100° and 80° . One of the other angle is?

- a) 60°
- b) 70°
- c) 100°
- d) 50°

14. The diagonals of which figure intersect at right angles?

- a) kite
- b) trapezium
- c) isosceles trapezium
- d) none of these

15. One property of isosceles trapezium is

- a) opposite angles are not equal
- b) opposite angles are equal
- c) diagonals are not equal
- d) diagonals bisect

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