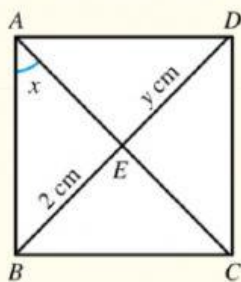


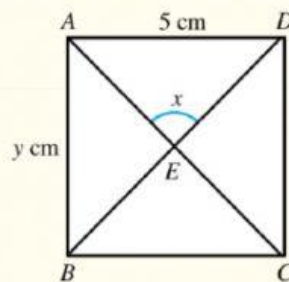
Quick Check 8.2C

In each of the following, $ABCD$ is a square. AC and BD intersect at E . Find the values of x and y .

1.



2.



$$x = \underline{\hspace{2cm}}$$

$$x = \underline{\hspace{2cm}}$$

$$y = \underline{\hspace{2cm}}$$

$$y = \underline{\hspace{2cm}}$$

Quick Check 8.2D

Determine whether each of the following properties is one of the properties of a parallelogram, a rhombus, a rectangle or a square respectively. If it is, mark your answer by putting a tick '✓' in the appropriate box.

Quadrilateral Property	Parallelogram 	Rhombus 	Rectangle 	Square 
1. Opposite sides are parallel.				
2. Opposite sides are equal.				
3. All sides are equal.				
4. Opposite angles are equal.				
5. All interior angles are right angles.				
6. Diagonals bisect each other.				
7. Diagonals are equal.				
8. Diagonals are perpendicular to each other.				
9. Diagonals bisect each interior angle.				
10. An angle between a side and a diagonal is 45° .				