

## NCERT SOLUTIONS FOR CLASS 6 MATHS UNDERSTANDING ELEMENTARY SHAPES EX 5.7

## Q1. Say true or false:

- (a) Each angle of a rectangle is a right angle.
- (b)The opposite sides of a rectangle are equal in length.
- (c)The diagonals of a square are perpendicular to one another.
- (d)All the sides of a rhombus are of equal length.
- (e)All the sides of a parallelogram are of equal length.
- (f)The opposite sides of a trapezium are parallel.

Ans: (a) True, (b) True, (c) True, (d) True, (e) False, (f) False

**Q2.** Give reasons for the following: (a)A square can be thought of as a special rectangle.

- (b)A rectangle can be thought of as a special parallelogram.
- (c)A square can be thought of as a special rhombus.

- (d)Squares, rectangles, parallelograms are all quadrilateral.
- (e)Square is also a parallelogram.

## Ans:

- (a) Because its all angles are right angle and opposite sides are equal.
- (b) Because its opposite sides are equal and parallel.
- (c) Because its four sides are equal and diagonals are perpendicular to each other.
- (d) Because all of them have four sides.
- (e) Because its opposite sides are equal and parallel.
- **Q3.** A figure is said to be regular if its sides are equal in length and angles are equal in measure. Can you identify the regular quadrilateral? **Ans:** A square is a regular quadrilateral.

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