Understanding shapes-III special types of quadrilaterals Ex 17.3 Q13

Answer :

(i) Rhombus, parallelogram, rectangle and square

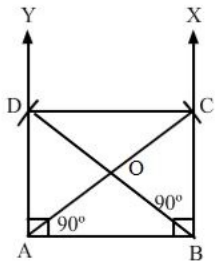
(ii) Rhombus and square

(iii) Rectangle and square

Understanding shapes-III special types of quadrilaterals Ex 17.3 Q14

Answer :

(i) Construct a triangle ABC right angle at B.
(ii) Suppose O is the mid point of AC.
(iii) Complete the rectangle ABCD having AC as its diagonal.
Since diagonals of a rectangle are equal and they bisect each other, O is the midpoint of both AC and BD.
$\therefore$ OA = OB = OC



Understanding shapes-III special types of quadrilaterals Ex 17.3 Q15

Answer :

(i) By measuring each angle - Each angle of a rectangle is 90°.

(ii) By measuring the length of the diagonals - Diagonals of a rectangle are equal.

(iii) By measuring the sides of rectangle - Each pair of opposite sides are equal.

********** END **********