Understanding shapes-III special types of quadrilaterals Ex 17.2 Q2

Answer :

(i) A rhombus is a parallelogram in which adjacent sides are equal.
(ii) A square is a rhombus in which all angles are right angled.
(iii) A rhombus has all its sides of equal length.
(iv) The diagonals of a rhombus bisect each other at right angles.
(v) If the diagonals of a parallelogram bisect each other at right angles, then it is a rhombus.

Understanding shapes-III special types of quadrilaterals Ex 17.2 Q3

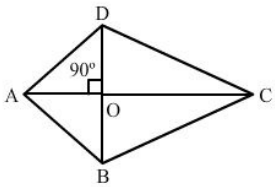
Answer :

No, it is not a rhombus. This is because diagonals of a rhombus must be perpendicular.

Understanding shapes-III special types of quadrilaterals Ex 17.2 Q4

Answer :

No, it is not so.
Diagonals of a rhombus are perpendicular and bisect each other. Along with this, all of its sides are equal. In the figure given below, the diagonals are perpendicular to each other, but do not bisect each other.



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