Is every quadrilateral a rhombus?

Solution

No.

A rhombus is an equilateral quadrilateral, i.e. the one with all sides equal. Parallelogram is a quadrilateral with two pairs of parallel and equal sides. A rhombus is a parallelogram with 4 equal sides.
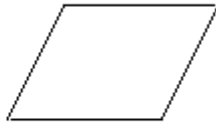

Fig. 1 Rhombus

There are many quadrilaterals which have unequal sides. They are not rhombus. One of example is trapezoid.
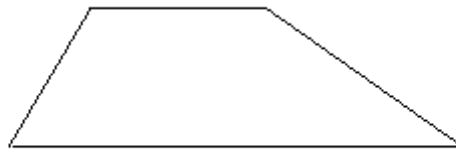

Fig. 2 Trapezoid