

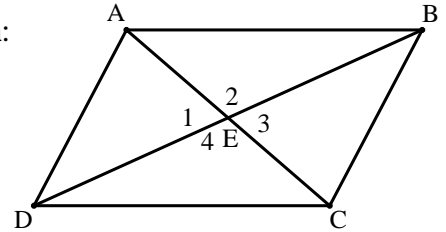
Common Core Geometry Proof – Parallelograms_4

Converse: Diagonals Bisect

Conjecture: If the diagonals of a quadrilateral bisect each other, then the quadrilateral is a parallelogram.

Given: \overline{AC} and \overline{BD} bisect each other at E

Diagram:



Prove: ABCD is a parallelogram

Statements	Reasons