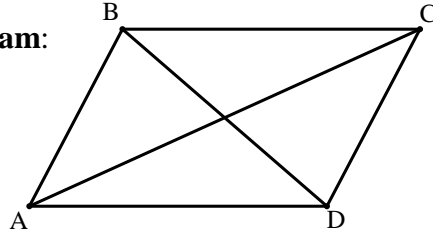


**Common Core Geometry Proof – Parallelograms\_2**  
**Opposite Angles**

**Conjecture:** If a quadrilateral is a parallelogram, then the opposite angles are congruent.

**Given:** Parallelogram ABCD  
Diagonals  $\overline{AC}$  and  $\overline{DB}$

**Diagram:**



**Prove:**  $\angle ABC \cong \angle CDA$ ;  $\angle BAD \cong \angle DCB$

Statements	Reasons