

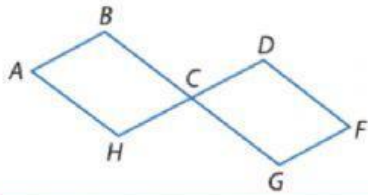
Name: .....

Class: .....

Date: .....

Given:  $ABCH$  and  $DCGF$  are parallelograms.

Prove:  $\angle A \cong \angle F$



Given

Substitution

Vertical angles are congruent ( $\cong$ )

Opposite angles of a parallelogram are congruent ( $\cong$ )

**8. Given:**  $ABCH$  and  $DCGF$  are parallelograms.

**Prove:**  $\angle A \cong \angle F$

**Proof:**

1.  $ABCH$  and  $DCGF$  are parallelograms. ( )
2.  $\angle BCH \cong \angle DCG$  ( )
3.  $\angle A \cong \angle BCH$  and  $\angle DCG \cong \angle F$  ( )
4.  $\angle A \cong \angle F$  ( )