

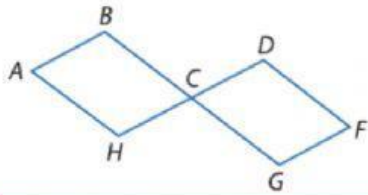
Name:

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. $\angle A \cong \angle F$ ()