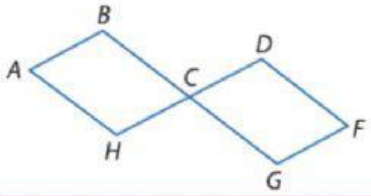
Name: ..... Class: ..... Date: .....

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

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



Given

Substitution

Vertical angles are congruent (≅)

Opposite angles of a parallelogram are congruent (≅)

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

LIVEWORKSHEETS