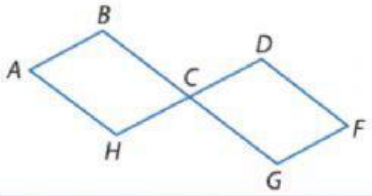
Name: ..... Class: ..... Date: .....

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: ∠A ≅ ∠F

Proof:

1. **ABCH and DCGF are parallelograms. (**)
2. **∠BCH ≅ ∠DCG (**)
3. **∠A ≅ ∠BCH and ∠DCG ≅ ∠F (**)
4. **∠A ≅ ∠F (**)

LIVEWORKSHEETS