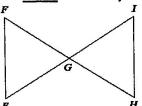
## Justify why each set of triangles are congruent:

Step 1: Mark given information on the diagram.

Step 2: Mark what else you know is congruent.



1: Given: G is the midpoint of both  $\overline{EI}$  and  $\overline{FH}$ .

*Prove*:  $\Delta FEG \cong \Delta HIG$ 

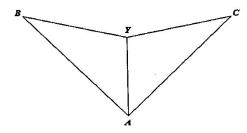
PROOF:

Step 3: A \_\_\_\_\_\_ is congruent to A \_\_\_\_\_ because of \_\_\_\_\_\_

Step 4: How do you know the 3 pairs of parts are congruent?

- Sides or Angles \_\_\_\_\_\_ are congruent because
- Sides or Angles \_\_\_\_\_ are congruent because
- Sides or Angles \_\_\_\_\_\_ are congruent because
- 2: Given:  $\overline{AB} \cong \overline{AC}$  and  $\overline{BY} \cong \overline{CY}$

Prove:  $\triangle BYA \cong \triangle CYA$ 



PROOF:

Step 3: A \_\_\_\_\_ is congruent to A \_\_\_\_\_ because of \_\_\_\_\_

Step 4: How do you know the 3 pairs of parts are congruent?

Sides or Angles \_\_\_\_\_\_ are congruent because

Sides or Angles \_\_\_\_\_\_ are congruent because

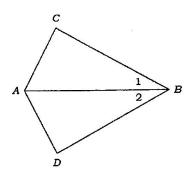
Sides or Angles \_\_\_\_\_ are congruent because

2	
Э	í

Given:  $\overline{AB}$  bisects  $\angle CAD$ 

∠1 ≅ ∠2

Prove:  $\triangle CAB \cong \triangle DAB$ 



## PROOF:

Step 3: ▲		h	
Sten 3' A	is congruent to A	because of	
CICD C.	13 CONTRICTION	2000000	

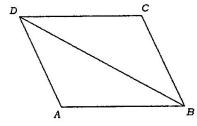
Step 4: How do you know the 3 pairs of parts are congruent?

- Sides or Angles \_\_\_\_\_\_ are congruent because
- Sides or Angles \_\_\_\_\_\_ are congruent because
- Sides or Angles \_\_\_\_\_ are congruent because

4:

Given: 
$$\overline{AD} \parallel \overline{CB}$$

$$\angle A \cong \angle C$$



Prove:  $\Delta DCB \cong \Delta BAD$ 

## PROOF:

Step 3:	<b>A</b>	is congruent to A	_ because of _	
---------	----------	-------------------	----------------	--

Step 4: How do you know the 3 pairs of parts are congruent?

- Sides or Angles \_\_\_\_\_\_ are congruent because
- Sides or Angles \_\_\_\_\_\_ are congruent because
- Sides or Angles \_\_\_\_\_\_ are congruent because