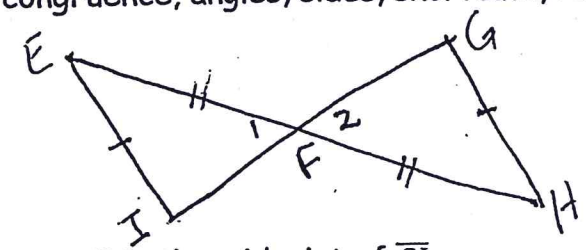
Warm-up: Triangle congruence, angles, sides, shortcuts, reasons



F is the midpoint of $\overline{GI}$

1) $\overline{EF}$ corresponds to _____.

2) ∠E corresponds to _____.

3) Name ∠1 with 3 letters:

4) Name ∠2 with 3 letters.

5) Which sides are congruent because F is the midpoint of GI?

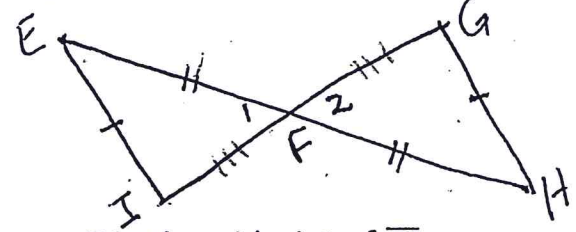
_____ ≅ _____

6) ΔEFI ≅ Δ _____ by _____

7) Give four corresponding congruent parts in the two triangles:

8) Since the triangles are congruent, what other two parts are now congruent?

Warm-up: Triangle congruence, angles, sides, shortcuts, reasons



F is the midpoint of $\overline{GI}$

1) $\overline{EF}$ corresponds to $\overline{HF}$.

2) ∠E corresponds to ∠H.

3) Name ∠1 with 3 letters: ∠EFI

4) Name ∠2 with 3 letters. ∠GFH

5) Which sides are congruent because F is the midpoint of GI? $\overline{IF} \cong \overline{FG}$

6) ΔEFI ≅ Δ HFG by SSS or SAS

7) Give four corresponding congruent parts in the two triangles:

$\overline{EF} \cong \overline{HF}$

∠I ≅ ∠2

$\overline{IF} \cong \overline{GF}$

$\overline{GH} \cong \overline{EI}$

8) Since the triangles are congruent, what other two parts are now congruent?

∠E ≅ ∠H

∠G ≅ ∠I