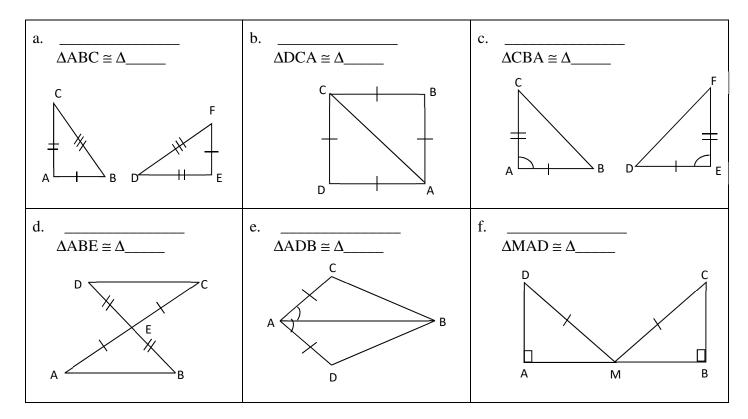
11.2H Triangle Congruence (SSS & SAS)

Name:

Per:

SHOW YOUR WORK AND WORK IN PENCIL

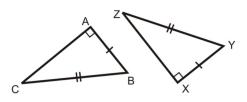
1. Tell which theorem, if any, make the sets of triangles congruent. State the congruent triangles.

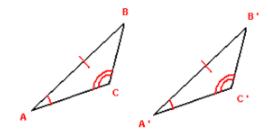


2. Tell whether the pair of triangles are congruent based only on their marks. and list the triangles. If they are congruent, list the theorem you would use. If they are not, explain.

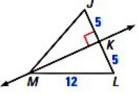
b.

a. .

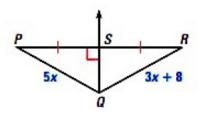




- 3. Use the information to find the side lengths. Explain how you know (
 - a. Find *JM*



b. Find QR

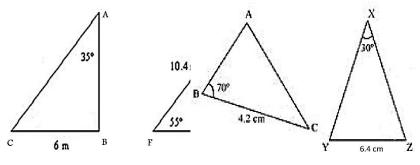


Explain:

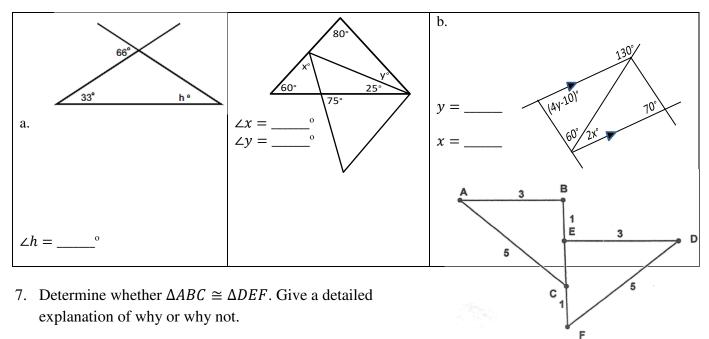
I know	Because	

I know	Because

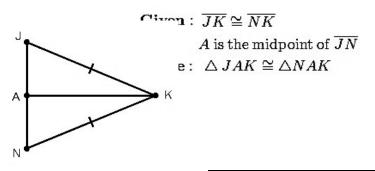
- 4. Assume $\triangle ABC \cong \triangle DEF$. Find all missing side lengths and angle measures.
- 5. Assume $\triangle ABC \cong \triangle YZX$. Find all missing side lengths and angle measures.



6. Find the missing angles in the following images



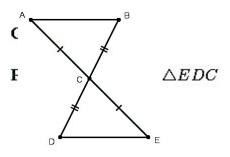
8. Fill in the blanks for the following proof.



Statement	Reason
	Given
A bisects JN	
	(equal to itself)

$\simeq \overline{NA}$	
$\Delta JAK \cong \Delta$	By Theorem

9.Fill in the blanks for the following proof.



Statement	Reason
$\overline{AC} \cong \overline{EC}$	
	Given
$\angle ACB \cong \angle$	
Δ \cong Δ EDC	By Theorem