Triangle Congruence Review
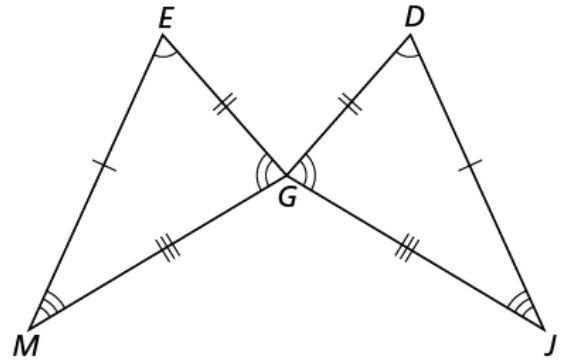
Name: _____ Block _____

Use the picture to write all 6 congruence statements for all 6 congruent parts.

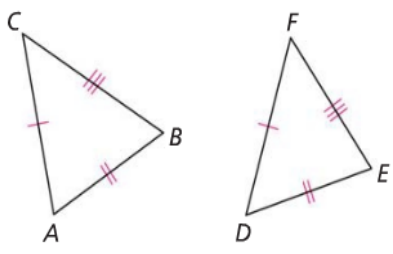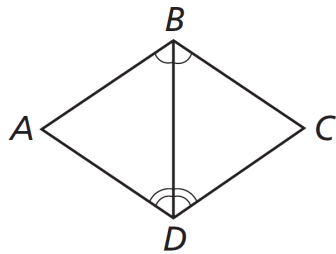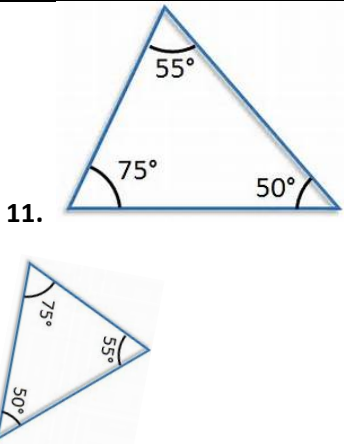|	SIDES		ANGLES

1. _____   2. _____

3. _____   4. _____

5. _____   6. _____

7. Δ_____ ≅ Δ_____
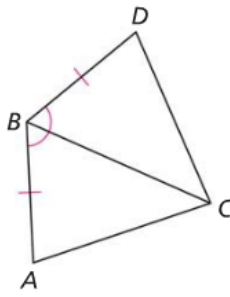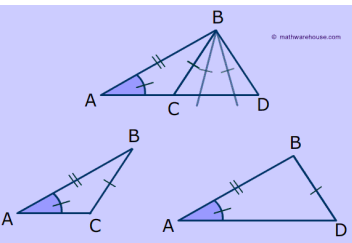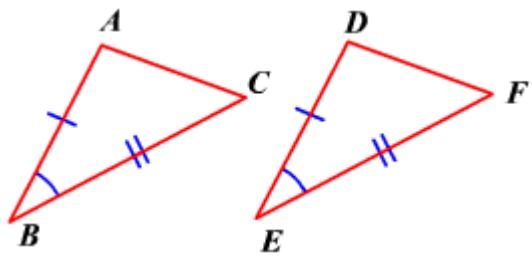
In problems 8-13 below, determine if the two triangles are congruent with the given information.
a) Write the TRIANGLE CONGRUENCY STATEMENT (Δ_____ ≅ Δ _____).
b) Write the POSTULATE or THEOREM that proves.

8.

a. _____

b. _____

9.

a. _____

b. _____

10.

a. _____

b. _____

11.

12.

13.
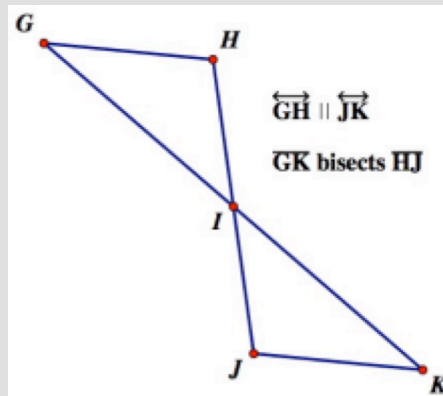
Triangle Congruence Review

Name: _____ Block _____

In the figure below, mark <u>one</u> more pair of corresponding parts of the two triangles that will ensure that the two triangles are congruent. State how you know the two triangles are congruent.
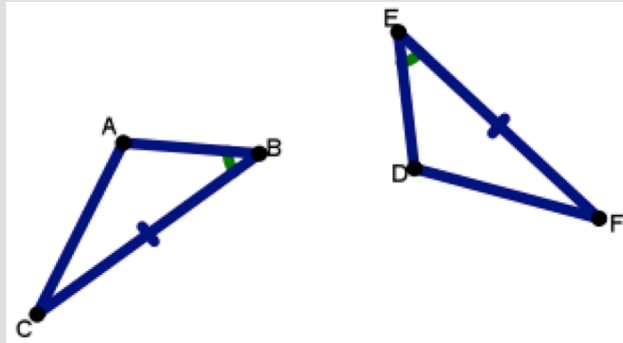
In the figure below, can you conclude that $\Delta GHI \cong \Delta JKI$? Explain why or why not.

$\overleftrightarrow{GH} \parallel \overleftrightarrow{JK}$

$\overline{GK}$ bisects $\overline{HJ}$

Suppose you knew that the hypotenuse of two right triangles were congruent. Are the two triangles necessarily congruent? Explain why they are or give an example to show that they are not.