

CHAPTER 4 – REVIEW

NAME: _____

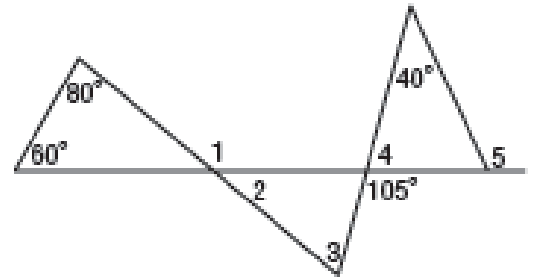
DATE: _____ **PERIOD:** _____

4-1 Classifying Triangles

- 1) Find the measure of the sides of $\triangle KPL$ and classify the triangle by its sides
K(5, -3), P(3, 4), L(-1, 1)

4-2 Angles of Triangles

Find each measure. Be sure to state the your reason.



2) $m\angle 1$

3) $m\angle 2$

4) $m\angle 3$

5) $m\angle 4$

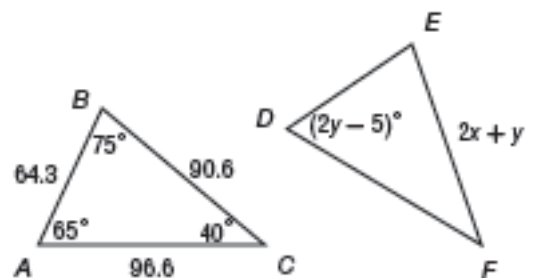
6) $m\angle 5$

4-3 Congruent Triangles

$\triangle ABC \cong \triangle DEF$

- 7) Find the value of x , explain your reasoning

- 8) Find the value of y , explain your reasoning



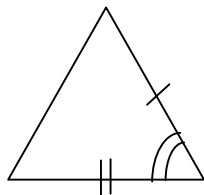
Geometry Chapter 4 Review
Triangle Uniqueness/Congruence

name: _____

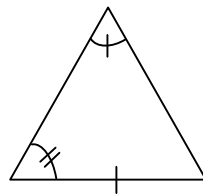
date: _____ Period _____

Determine what type of information is given to you: SAS, SSS, ASA, AAS, AAA, ASS.

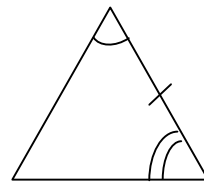
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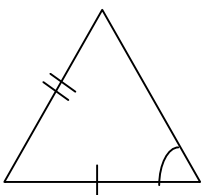
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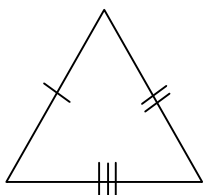
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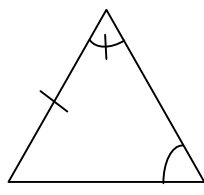
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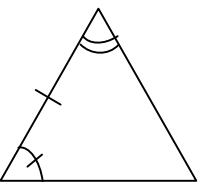
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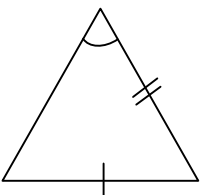
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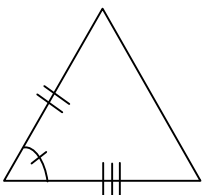
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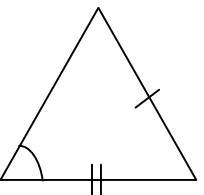
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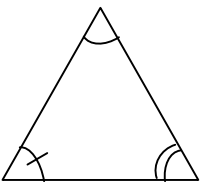
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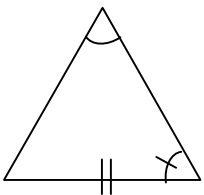
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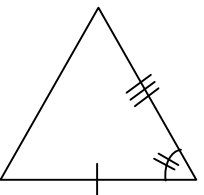
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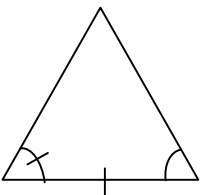
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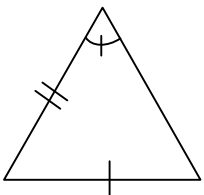
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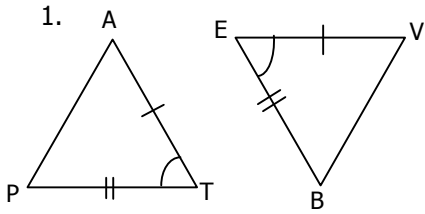
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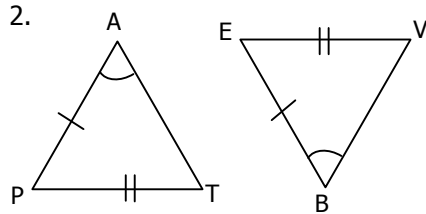
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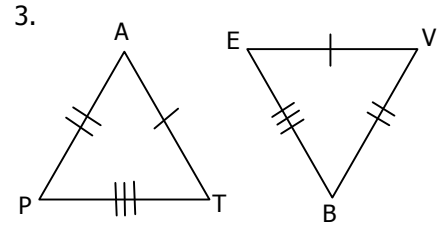
For each situation, Pat and Bev were given the same information to create a triangle. This is shown by the markings on each triangle. Determine if they were FORCED to create the SAME triangle (congruent triangles) or if the triangles are not necessarily identical.



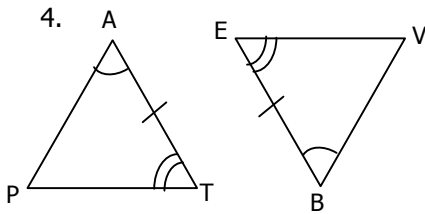
Triangles Forced To Be Congruent
 Triangles Not Necessarily Congruent



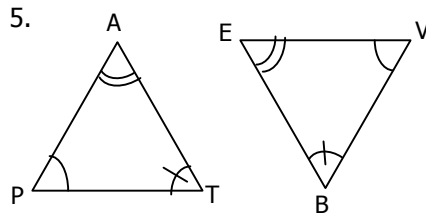
Triangles Forced To Be Congruent
 Triangles Not Necessarily Congruent



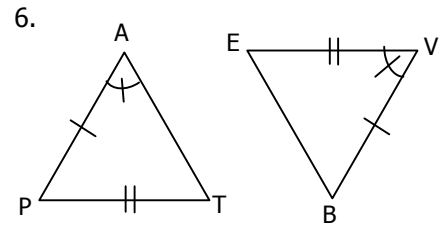
Triangles Forced To Be Congruent
 Triangles Not Necessarily Congruent



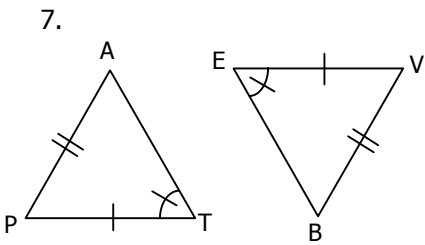
Triangles Forced To Be Congruent
 Triangles Not Necessarily Congruent



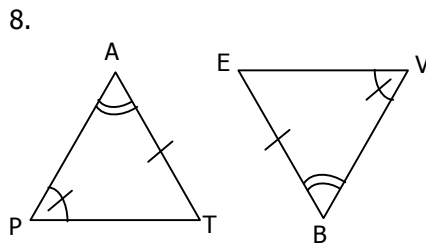
Triangles Forced To Be Congruent
 Triangles Not Necessarily Congruent



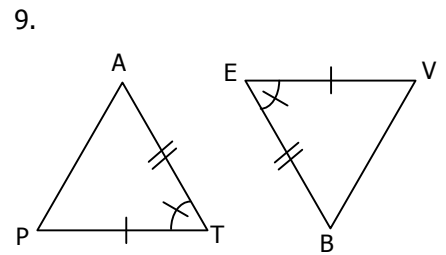
Triangles Forced To Be Congruent
 Triangles Not Necessarily Congruent



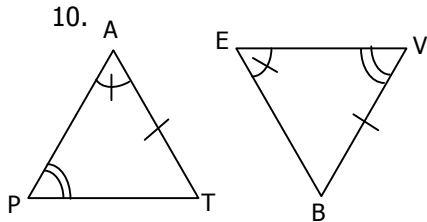
Triangles Forced To Be Congruent
 Triangles Not Necessarily Congruent



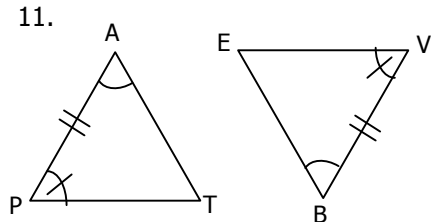
Triangles Forced To Be Congruent
 Triangles Not Necessarily Congruent



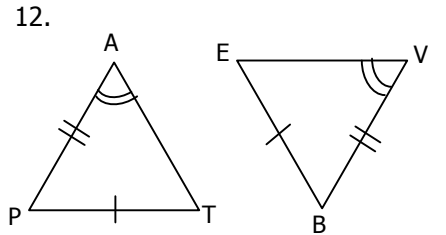
Triangles Forced To Be Congruent
 Triangles Not Necessarily Congruent



Triangles Forced To Be Congruent
 Triangles Not Necessarily Congruent



Triangles Forced To Be Congruent
 Triangles Not Necessarily Congruent

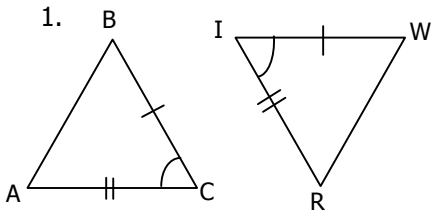


Triangles Forced To Be Congruent
 Triangles Not Necessarily Congruent

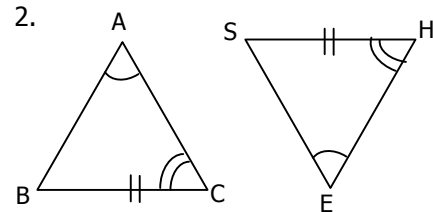
Geometry Chapter 4 Review
Proving Triangles Congruent: ASA, AAS, SAS, SSS

name: _____
 date: _____ Period _____

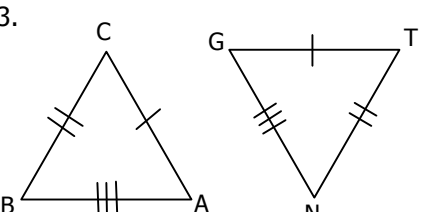
For each problem give the correct naming order of the congruent triangles. Write that name in order on the lines for the problem number (see box at bottom). Also, indicate which postulate or theorem is being used.

1. 

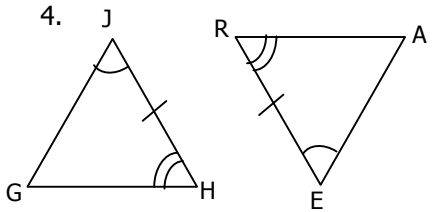
$\triangle ABC \cong \triangle$ _____ by _____

2. 

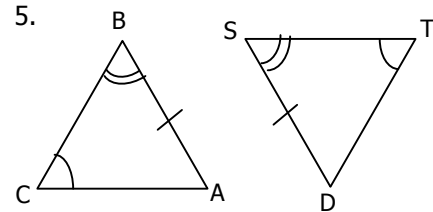
$\triangle ABC \cong \triangle$ _____ by _____

3. 

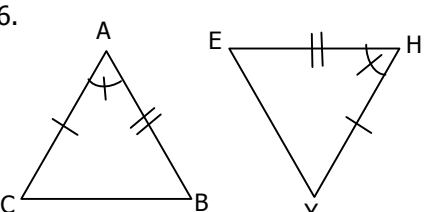
$\triangle ABC \cong \triangle$ _____ by _____

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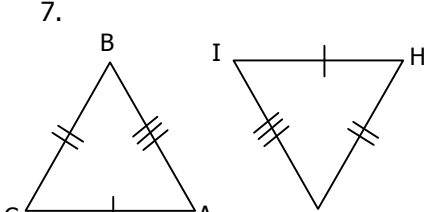
$\triangle GHJ \cong \triangle$ _____ by _____

5. 

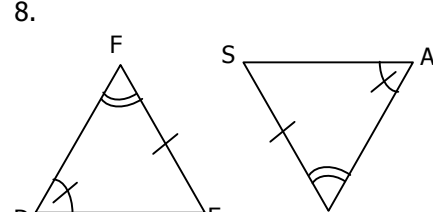
$\triangle ABC \cong \triangle$ _____ by _____

6. 

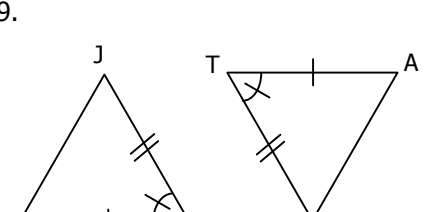
$\triangle ABC \cong \triangle$ _____ by _____

7. 

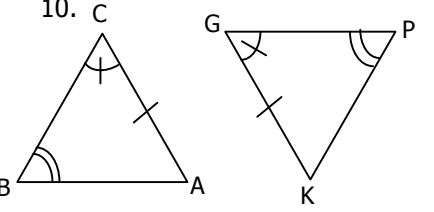
$\triangle ABC \cong \triangle$ _____ by _____

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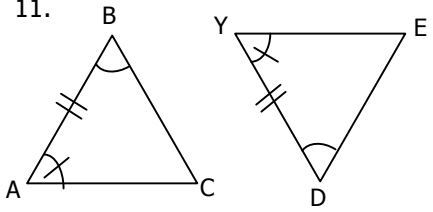
$\triangle DEF \cong \triangle$ _____ by _____

9. 

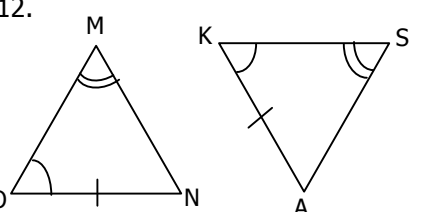
$\triangle JKL \cong \triangle$ _____ by _____

10. 

$\triangle ABC \cong \triangle$ _____ by _____

11. 

$\triangle ABC \cong \triangle$ _____ by _____

12. 

$\triangle MNO \cong \triangle$ _____ by _____

_____ O _____ N _____ S _____ E _____ I _____ T _____
 4 4 4 8 8 8 12 12 12 2 2 2 5 5 5 9 9 9 6

_____ E _____ E _____ O _____ N _____ U _____ T _____ E _____ I _____
 6 6 10 10 10 1 1 1 3 3 3 7 7 7 11 11 11

(When you are done with the puzzle, there are: 3 SAS, 5 AAS, 2 ASA, and 2 SSS instances.)