Geometry

Unit 5 Review Day 2

Agenda

1) Intro Activity – WS on Congruence
2) Correct Homework
    a) Common Core Practice #2
    b) Page 273 #5-14; Page 264 #34-36
3) Practice "Pop Quiz"
4) Homework Time

Correct HW

Practice Pop Quiz

1. You need to find one partner

2. You and your partner need:
   - 1 Whiteboard
   - 1 Dry Erase Marker
   - 1 Eraser

3. A piece of scratch paper to keep your points totaled

Practice Pop Quiz

1) In pairs, each person will take turns being the scribe and the "caller"
    1) The scribe writes each question out that is on the board
    2) The caller says when the pair has finished the question, and submits the answer.

2) You will have 30 seconds to answer each question.

- If you answer the question correctly on the first attempt, you earn 2 points
- If you answer the question correctly on the second attempt, you earn 1 point
- No points earned if question is not answered correctly

Question 1

Define congruence

Question 2

$$\Delta ABC \cong \Delta DEF$$

$$\angle C \cong \_\_\_\_$$

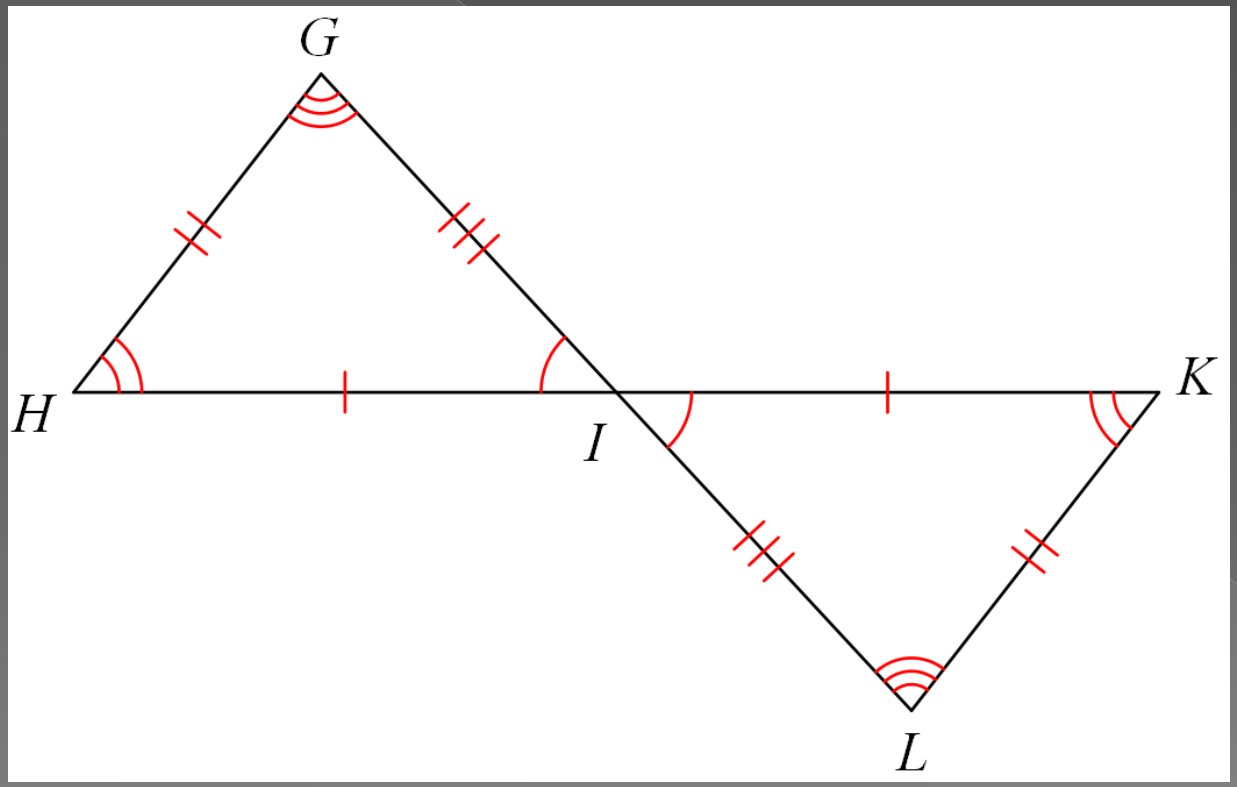
Question 3

Vertical Angles are

_____

Question 4

Write the congruence statement:



Question 5

Write the ***conditional*** using

"sky is blue" and "leaves are green"

Question 6

If the biconditional statement is true, then this is a _____

Question 7

What is CPCTC?

Question 8

Are the triangles congruent? Explain.

$\Delta ABC \text{ and } \Delta RML$

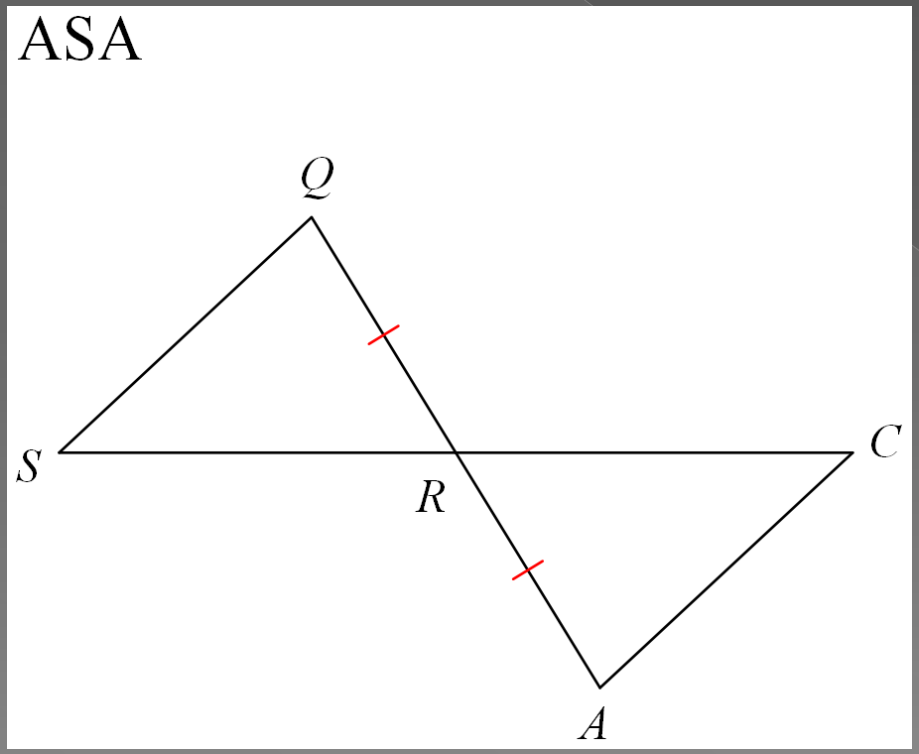
$\angle A \cong \angle R$

$\overline{BC} \cong \overline{ML}$

$\angle C \cong \angle L$

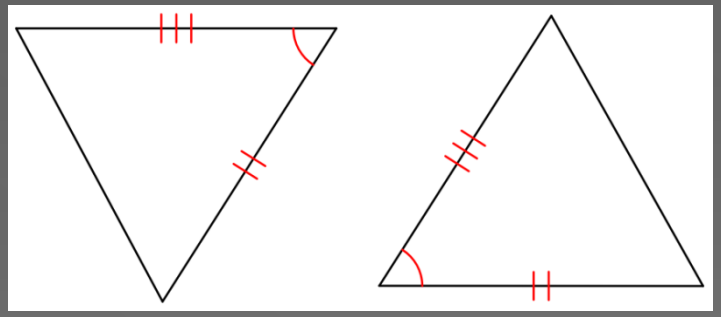
Question 9

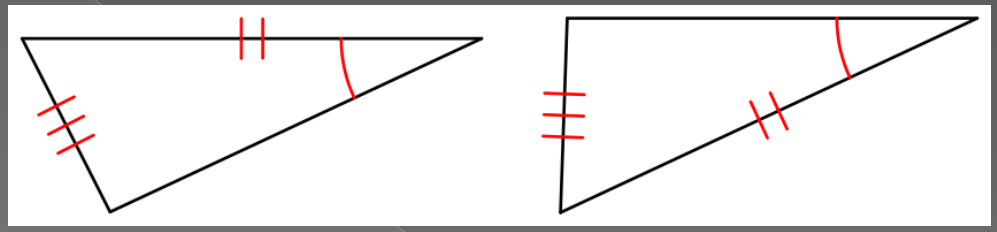
State what additional information is required to know that the triangles are congruent for the given reason.



Question 10

Are the two triangles congruent? If yes, state the theorem or postulate.



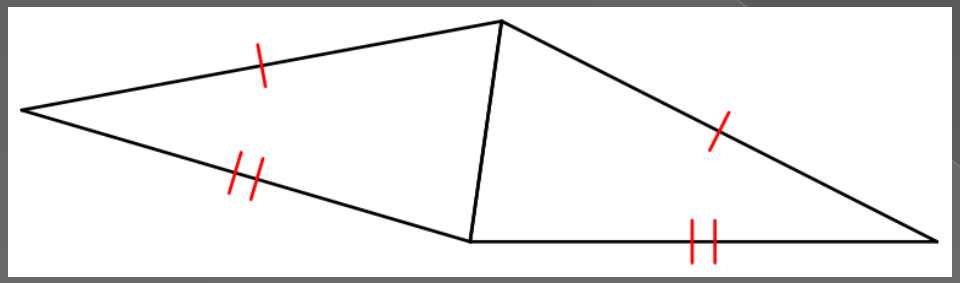


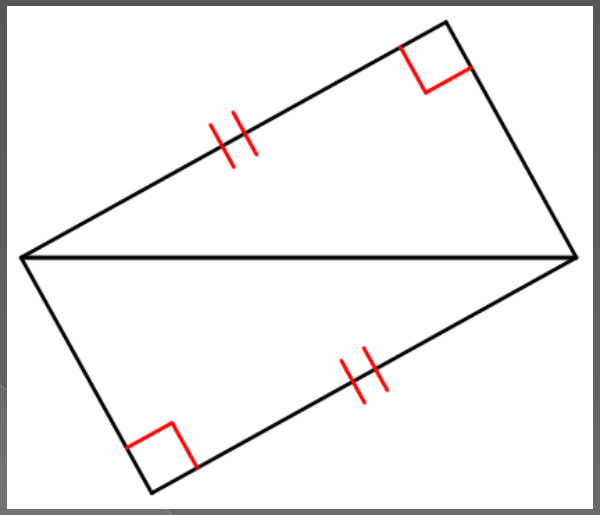
Question 11

Give an example of the transitive property.

Question 12

Are the two triangles congruent? If yes, state the theorem or postulate.





Question 13

Solve for x by completing the two column proof.

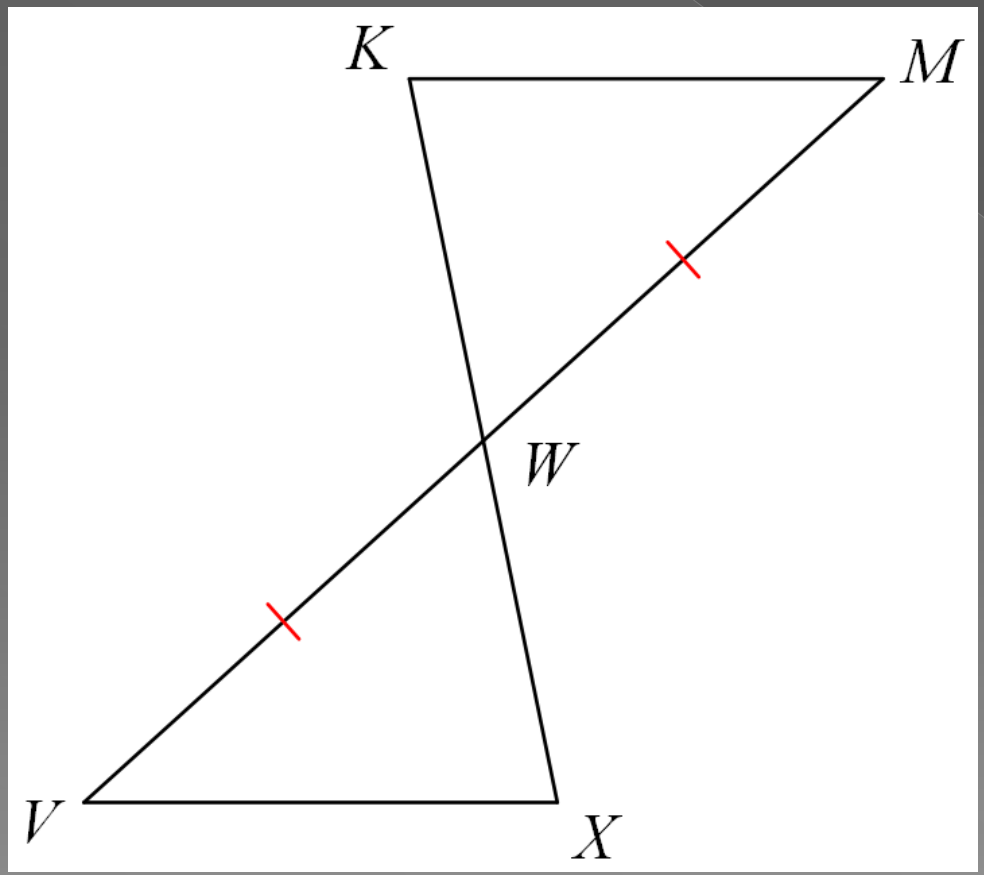
$$-2x + 3 = 11$$

Statement	Reason
	Given

Question 14

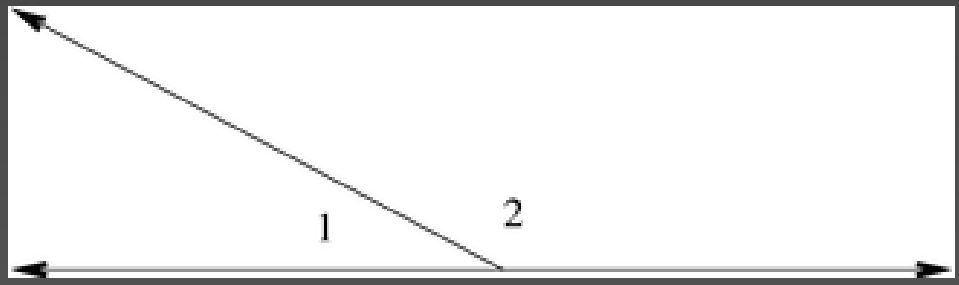
$$\angle K \cong \angle X$$

What are the corresponding parts of the congruent triangles?



Question 15

Complete the geometric proof



Given: $\angle 1 \; and \; \angle 2$ are supplementary

$m\angle 2 = 145°$

Prove: $m\angle 1 = 35°$

Statement	Reason
	Given
	Given

What is your final score?

Final score is out of 30 points

On your scratch piece of paper, write your name and your partner's name on the paper. Write your final score out of 30 points.

Homework Time