Topic: CPCTC   **Date**: _____

Learning Objective(s) _____:

_____

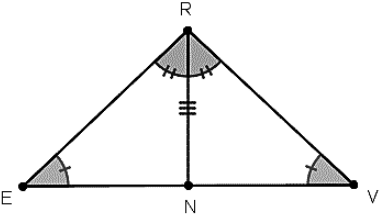| **Main Ideas/ Questions**	**Notes**
CPCTC Definition	**C**orresponding **P**arts of **C**ongruent **T**riangles are **C**ongruent (**CPCTC**)
	CPCTC is a **reason** used in a proof **** _____ **** two triangles have been proven **_CONGRUENT!!_**

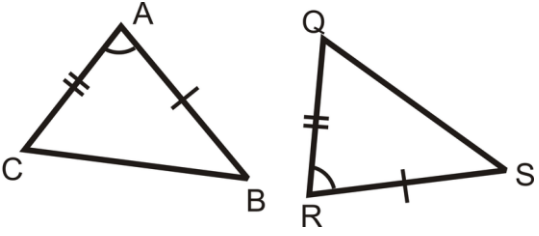| Examples	$\Delta ERN \cong \Delta VRN$ by _____ What **other** parts of the triangles are congruent?

$\Delta CAB \cong$ _____ by _____

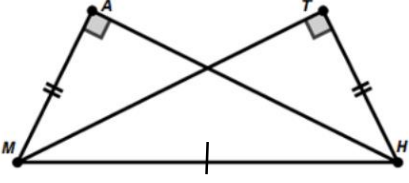**Therefore**: _____ $\cong$ _____ by CPCTC

_____ $\cong$ _____ by CPCTC

_____ $\cong$ _____ by _____
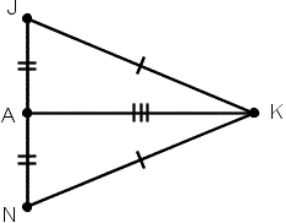
Given: $\Delta MAH \cong \Delta HTM$ by HL

Prove: $\angle TMH \cong \angle AHM$

Statements	Reasons
1.	1.
2.	2.

Given: $\Delta JAK \cong \Delta NAK$ by SSS

Prove: $\angle JKA \cong \angle NKA$

Statements	Reasons
1.	1.
2.	2.

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<table>
<tr><td>**Main Ideas/ Questions**</td><td>**Notes**

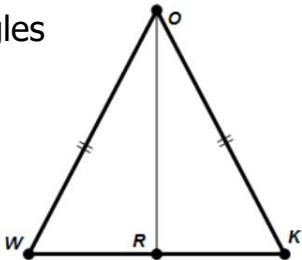**Given**: $\angle NLM \cong \angle LNO$ and $\angle OLN \cong \angle MNL$

Prove: $\angle M \cong \angle O$

Statements	Reasons
1.	1.
2.	2.
3.	3.
4.	4.
5.	5.

Given: $\overline{WO} \cong \overline{KO}$; $\angle WRO$ and $\angle KRO$ are right angles

Prove: $\overline{WR} \cong \overline{KR}$

Statements	Reasons
1.	1.
2.	2.
3.	3.
4.	4.
5.	5.
6.	6.
</td></tr>
<tr><td>**Summary**
Summarize the lesson in your own words with the help of the guided questions.</td><td>*Why are corresponding parts of triangles important when using congruency?*</td></tr>
</table>
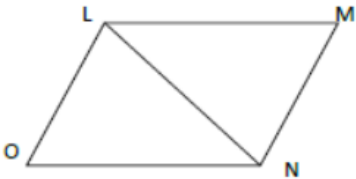
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