

Welcome!! Please grab your ISN and have a seat!
This will be done ON PAPER today!!!!!! NO CHROMEBOOK!!!!

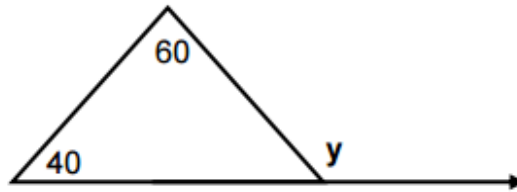
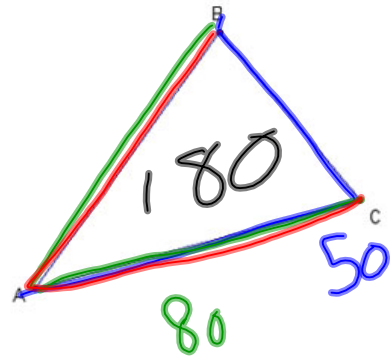
1) $m\angle ABC = 80^\circ$ $m\angle BCA = 50^\circ$, what is $m\angle CAB$?

2) The sum of the interior angles of a triangle is

180

3) Solve for y .

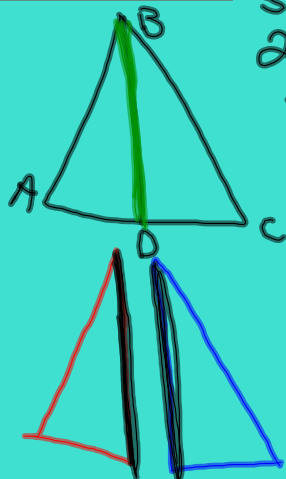
100



Sep 28-7:49 AM

WWK:

shared side-



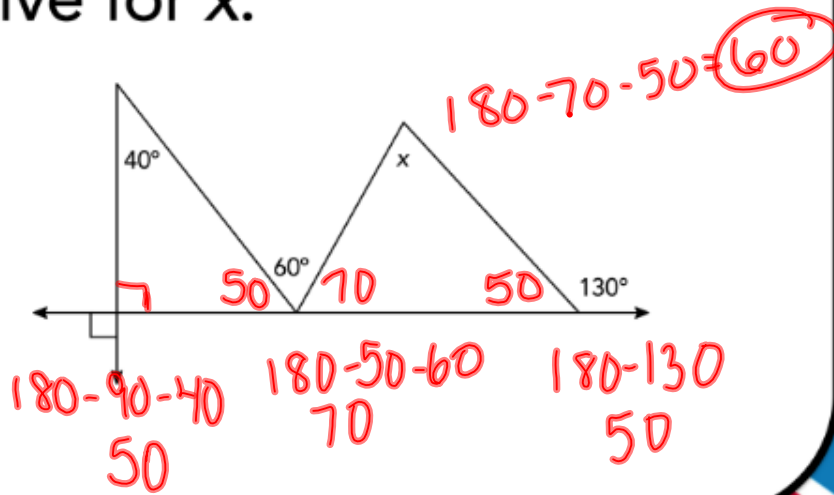
side that is part of 2 triangles at the same time. shared sides correspond to themselves and are congruent to themselves

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Exterior Angle Theorem and Triangle Sum Theorem Task Cards

Solve for x.



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Nov 2-10:03 AM

Shared side

a side that is part of two triangles at the same time. it is congruent to itself!



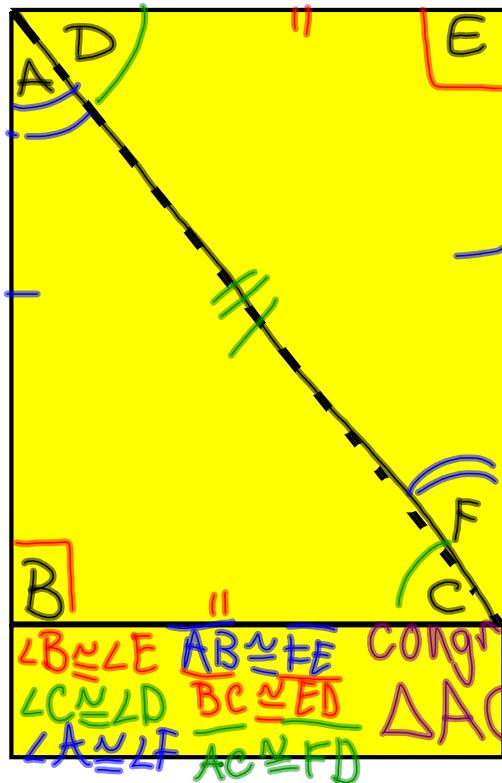
Nov 2-8:58 AM

CPCTC **81**

Corresponding Parts of Congruent
Triangles are Congruent

Need to Know

Sep 28-8:00 AM

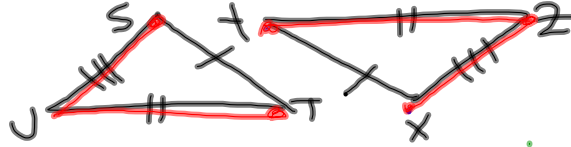


$\angle B \cong \angle E$ $\overline{AB} \cong \overline{FE}$ congruence statement
 $\angle C \cong \angle D$ $\overline{BC} \cong \overline{ED}$ $\triangle ACB \cong \triangle FDE$
 $\angle A \cong \angle F$ $\overline{AC} \cong \overline{FD}$

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Need to Know

★ Order of the letters MATTERS

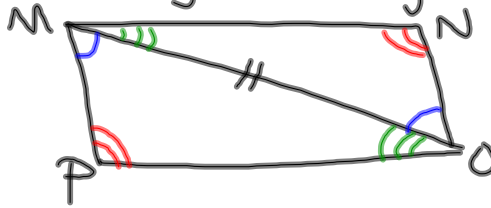


$$\triangle SUT \cong \triangle XZY$$

$$\angle T \cong \angle Y$$

★ Shared sides are always corresponding and congruent!

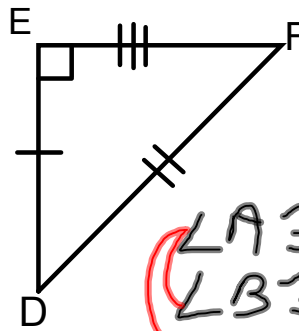
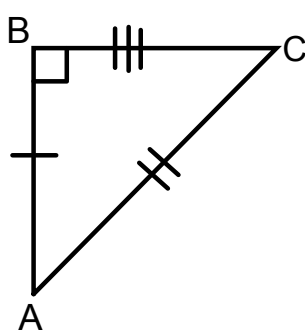
$$\begin{array}{c} \triangle MOP \\ \cong \\ \triangle OMN \end{array}$$



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Welcome!! Please grab your ISN and have a seat!
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Ex 1 (pg 39) Name all 6 corresponding parts.



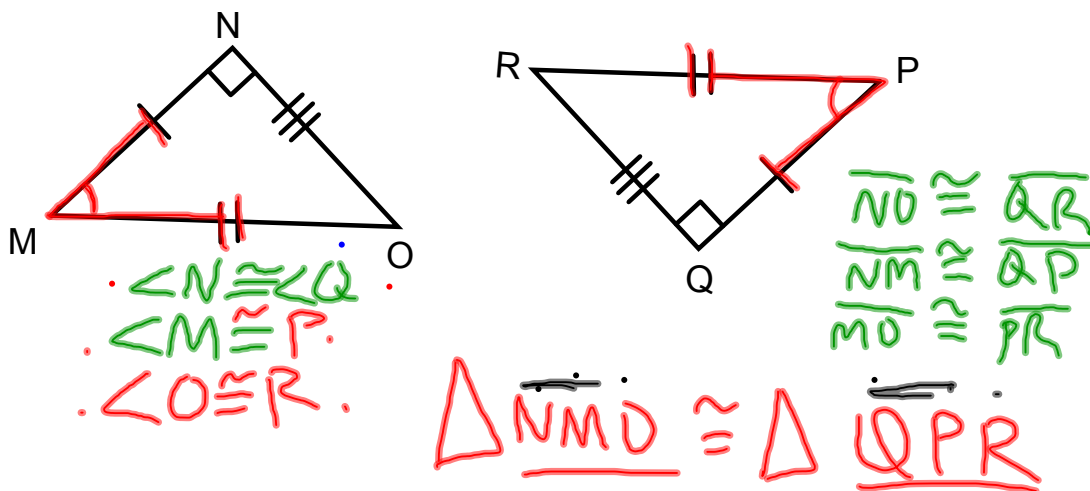
$$\begin{array}{l} \overline{AB} \cong \overline{DE} \\ \overline{BC} \cong \overline{EF} \\ \overline{CA} \cong \overline{FD} \end{array}$$

$$\begin{array}{l} \angle A \cong \angle D \\ \angle B \cong \angle E \\ \angle C \cong \angle F \end{array}$$

$$\triangle CAB \cong \triangle FDE$$

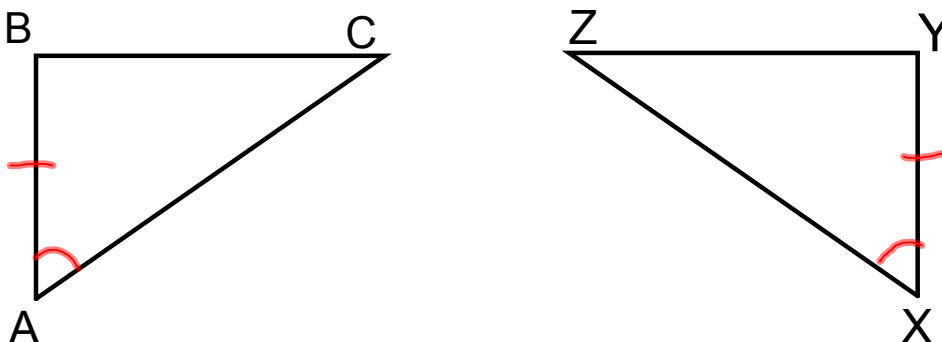
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Ex 2 (pg 39) Write the triangle congruence statement.



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Ex 3 (pg 41) Mark the corresponding parts for $\triangle ABC = \triangle XYZ$

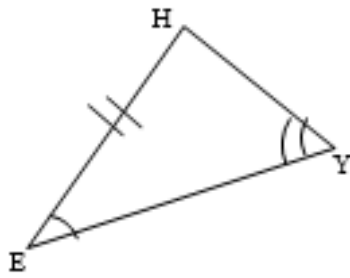


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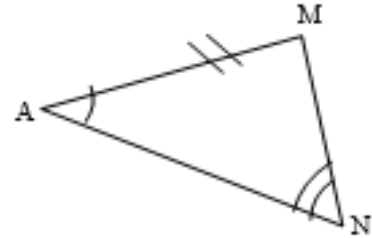
Homework

#1: $\triangle HEY$ is congruent to $\triangle MAN$.

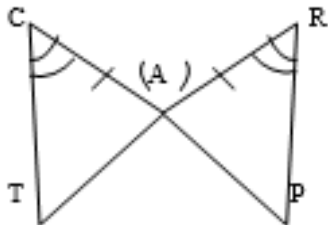
What parts of the triangles are congruent by CPCTC?



_____ \cong _____
 _____ \cong _____
 _____ \cong _____
 _____ \cong _____
 _____ \cong _____
 _____ \cong _____



#2: $\triangle CAT \cong$ _____



_____ \cong _____
 _____ \cong _____
 _____ \cong _____
 _____ \cong _____
 _____ \cong _____
 _____ \cong _____

Sep 28-8:26 AM