

SLO: I can prove parts of triangles are congruent through CPCTC.

☺☺☺☺ Today is a GREAT day to think mathematically! Let's get organized first. ☺☺☺☺

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NEW NOTEBOOK PAGE: **12/13 Proof by CPCTC - Name**
SLO: I can prove parts of triangles are congruent through CPCTC.

Assignment Sheet: **12/13 CW: Proof by CPCTC due 12/13**
12/13 HW: Proof by CPCTC due 12/14

DO NOW SHEET: **Name, Date, Period, draw a diagram that shows $\triangle ABC \cong \triangle MNL$. Mark all the congruent corresponding parts.**

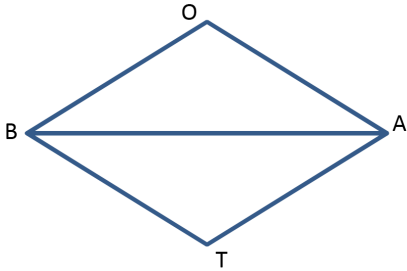
Jigsaw:

- 1) Work with your "proof" group to write a complete, correct CPCTC flowchart proof. You MUST be an expert with this proof. (20 min)
- 2) Return to your home group to explain your proof. Proofs will be explained in the order A, B, C, D. Take notes on the other three proofs presented in your home group. (6 min per presentation including questions)
- 3) Study the proofs for homework as they will be on tomorrow's test.

SLO: I can prove parts of triangles are congruent through CPCTC.

Use the statements and reasons provided to organize a flowchart proof. Use the transparencies provided to organize a your proof and then copy your proof into your notebook.

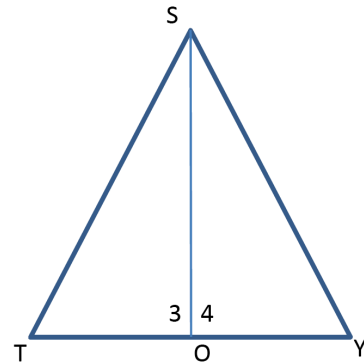
A)



Given: \overleftrightarrow{BA} bisects $\angle OBT$ and $\angle OAT$

Prove: $\angle O \cong \angle T$

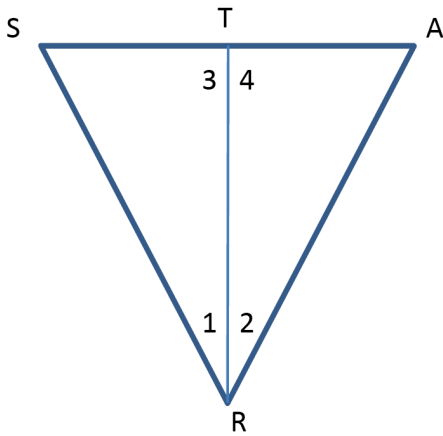
B)



Given: $\overline{TS} \cong \overline{SY}$; O is the midpoint of \overline{TY}

Prove: $\angle 3 \cong \angle 4$

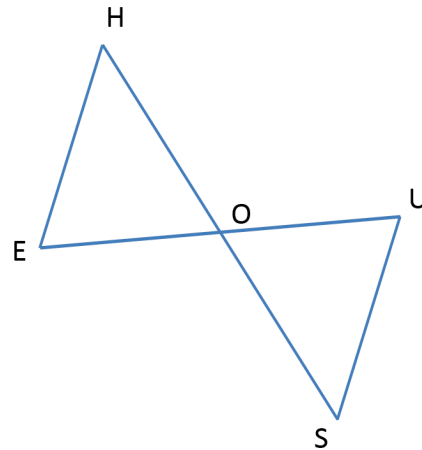
C)



Given: $\overline{TR} \perp \overline{SA}$; \overline{TR} bisects $\angle SRA$

Prove: $\overline{SR} \cong \overline{AR}$

D)



Given: O is the midpoint of \overline{HS} and \overline{EU}

Prove: $\angle H \cong \angle S$

 HOMEWORK: 12/13 CPCTC

EXIT

BACK OF DO NOW SHEET: Today my level of understanding is 😊 😐 😞 because _____
 Today I learned the most from _____ who helped me understand _____.

