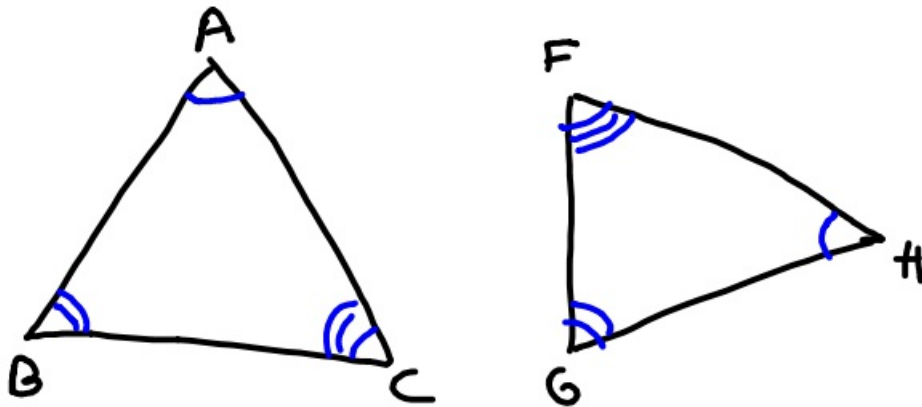


10-8-18 5th Geo



$$\triangle ABC \cong \triangle HGF$$

① $\angle A = \angle H$

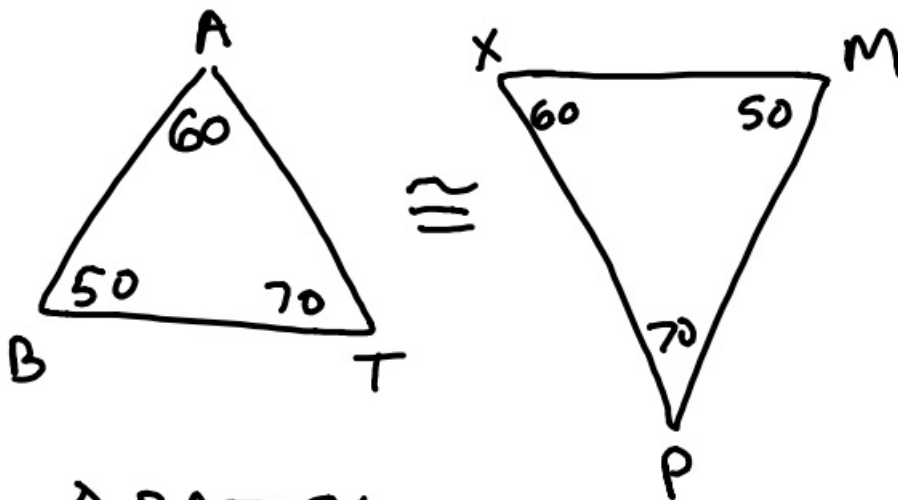
④ $\overline{AC} \cong \overline{HF}$

② $\angle B = \angle G$

⑤ $\overline{AB} \cong \overline{HG}$

③ $\angle C = \angle F$

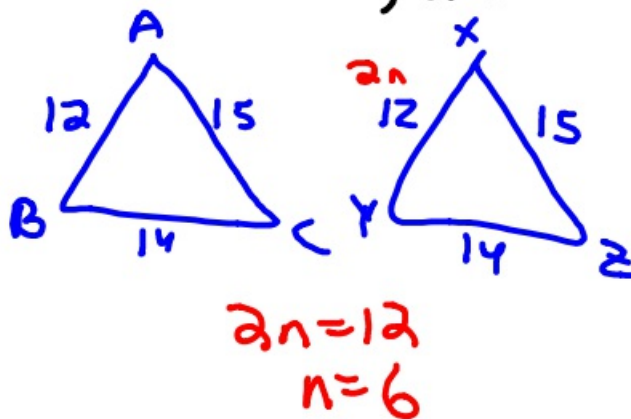
⑥ $\overline{BC} \cong \overline{GF}$



$$\triangle BAT \cong \triangle \underline{MXP}$$

$\triangle ABC \cong \triangle XYZ$ with
 $AB=12, BC=14, \text{ \& } AC=15$

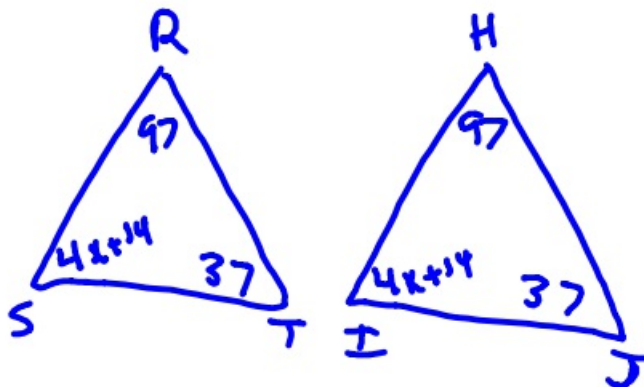
③ If $XY=2n$, what is n ?



④ $\triangle RST \cong \triangle HIJ$ with

$\angle R=97^\circ, \angle J=37^\circ$, and $\angle S=4x+14$.

What is x ?



$$4x+14+37+97=180$$

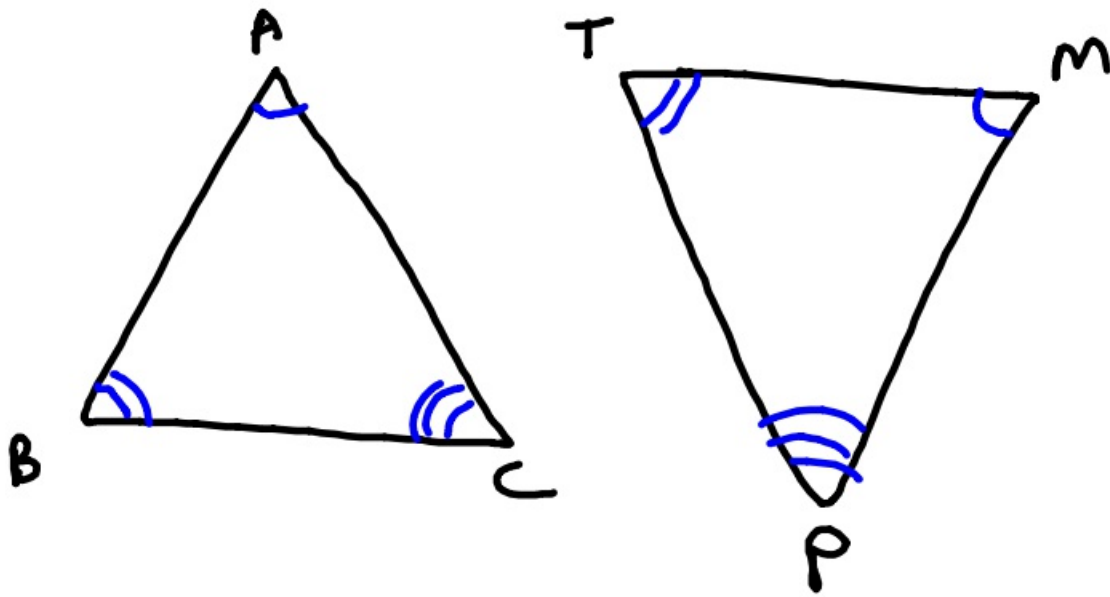
$$4x+148=180$$

$$-148 \quad -148$$

$$4x = 32$$

$$x=8$$

10-8-18 6th Geo



$$\triangle ABC \cong \triangle MTP$$

① $\angle A \cong \angle M$

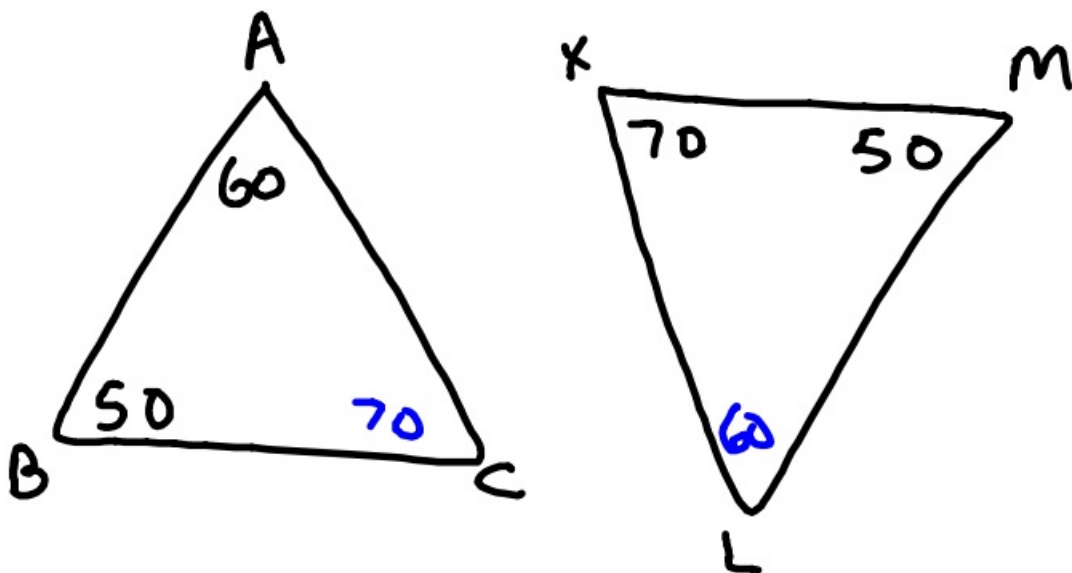
④ $\overline{AB} \cong \overline{MT}$

② $\angle B \cong \angle T$

⑤ $\overline{BC} \cong \overline{TP}$

③ $\angle C \cong \angle P$

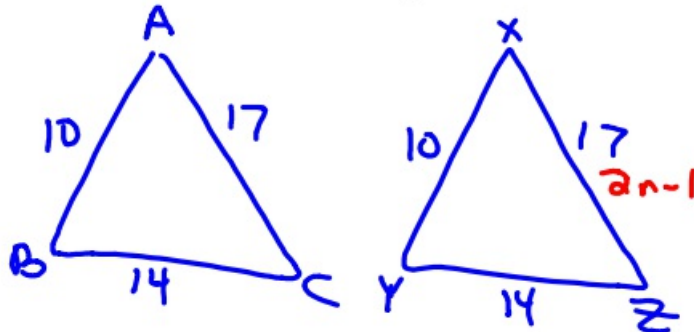
⑥ $\overline{AC} \cong \overline{MP}$



$$\triangle ABC \cong \triangle \underline{LMX}$$

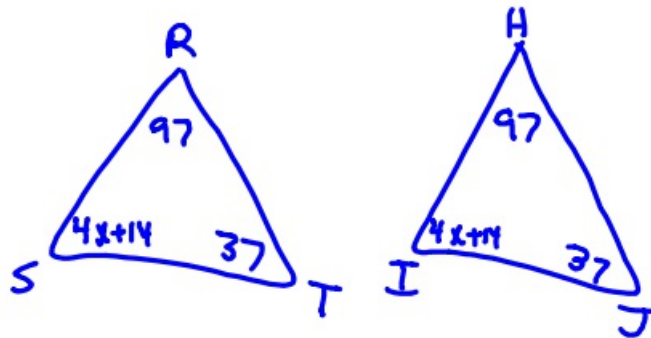
- ③ $\triangle ABC \cong \triangle XYZ$ with $AB=10$
 $BC=14$, and $AC=17$.

If $ZX=2n-1$, what is n ?



$$\begin{array}{r} 2n-1=17 \\ +1 \quad +1 \\ \hline 2n=18 \\ n=9 \end{array}$$

- ④ If $\triangle RST \cong \triangle HIJ$ with
 $\angle R=97^\circ$, $\angle J=37^\circ$, and $\angle S=4x+14$,
 what is x ?



$$4x+14+37+97=180$$

$$\begin{array}{r} 4x+148=180 \\ -148 \quad -148 \rightarrow 150 \\ \hline \end{array}$$

$$4x=32$$

$$x=8$$