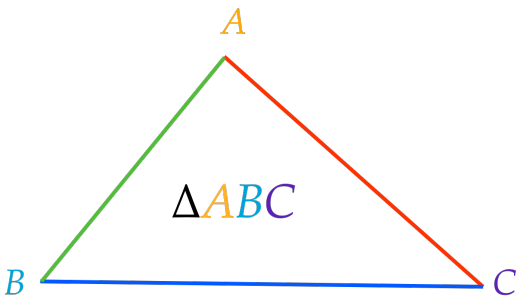
Congruent Triangles (CPCTC)

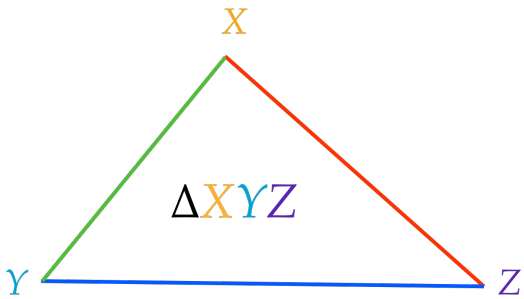
Name _____

Date _____ Period _____

Two triangles are congruent if and only if
their corresponding angles and sides are congruent.



Three Angles Three Sides



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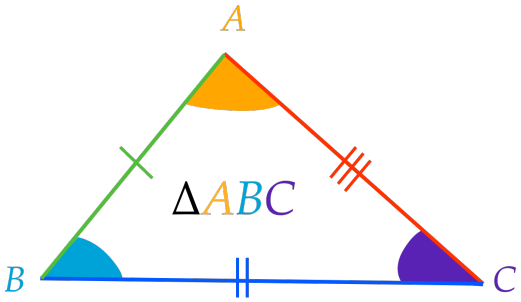

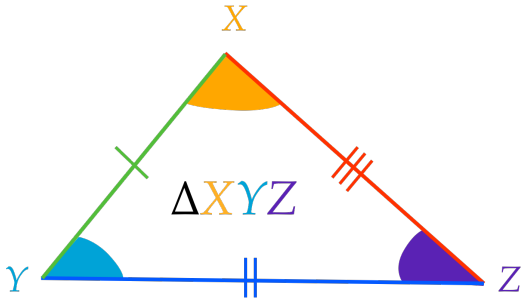

If $\Delta ABC \cong \Delta XYZ$, then $\angle A \cong \angle X$, $\angle B \cong \angle Y$, $\angle C \cong \angle Z$ and $\overline{AB} \cong \overline{XY}$, $\overline{BC} \cong \overline{YZ}$, $\overline{AC} \cong \overline{XZ}$

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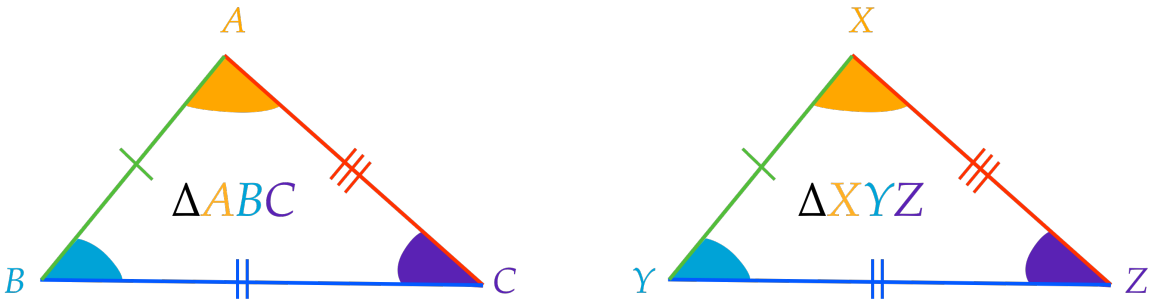

If $\angle A \cong \angle X$, $\angle B \cong \angle Y$, $\angle C \cong \angle Z$ and $\overline{AB} \cong \overline{XY}$, $\overline{BC} \cong \overline{YZ}$, $\overline{AC} \cong \overline{XZ}$ then $\Delta ABC \cong \Delta XYZ$

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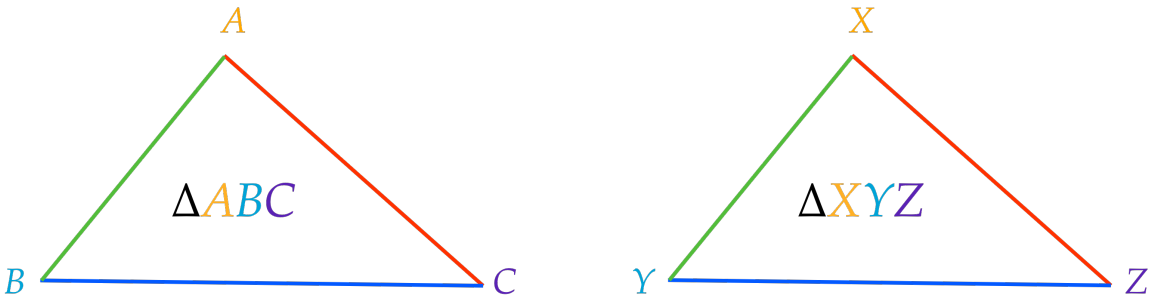

What's the CPCTC?

Corresponding Parts of Congruent Triangles are Congruent

$\Delta ABC \cong \Delta XYZ$

$\Delta JKL \cong \Delta RST$

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$\Delta JKL \cong \Delta RST$