

<name>

Class: Honors Geometry

Date: 9/14/06

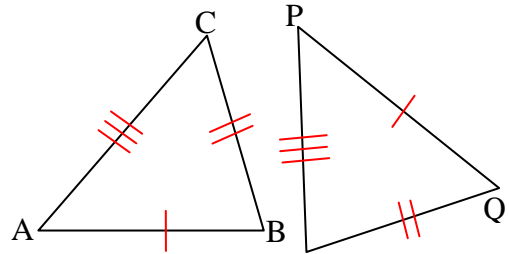
Topic: Lesson 4-2 (Triangle Congruence: SSS & SAS)

Postulate 4-1

Side-Side-Side (SSS) Postulate

If 3 sides of 1 Δ are \cong to the 3 sides of another Δ , the 2 Δ s are \cong .

$$\Delta ABC \cong \Delta PQR$$



Definition

Included

“contained between”

Location: “which sides include $\angle B$?”

Examples

Not in book

In ΔVGB , which sides include $\angle B$?

\overline{GB} and \overline{BV}

In ΔSTN , which \angle is incl btwn sides \overline{NS} & \overline{TN} ?

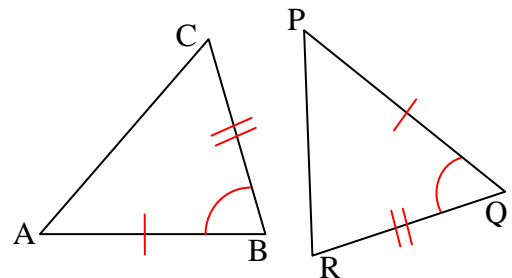
$\angle N$

Postulate 4-2

Side-Angle-Side (SAS) Postulate

If 2 corr. sides & incl \angle of 1 Δ are \cong to the 2 corr. sides & incl \angle of another Δ , the 2 Δ s are \cong .

$$\Delta ABC \cong \Delta PQR$$



Naming is critical!

Make sure match up corr. sides