Section_

Prove Triangles are Congruent by - SSS, SAS, HL, ASA, AAS

Vocabulary	Definition	Example
SIDE-SIDE-SIDE (SSS) CONGRUENCE POSTULATE	If three sides of one triangle are congruent to three sides of a second triangle, then the two triangles are congruent. S = side	If Side $\overline{AB} \cong \underline{RS}$, Side $\overline{BC} \cong \underline{ST}$, and Side $\overline{CA} \cong \underline{TR}$, then $\triangle ABC \cong \triangle \underline{RST}$.
LEG of a RIGHT TRIANGLE	In a right triangle, a side adjacent to the right angle is called a leg. 2 legs in a right triangle.	The legs are the 2 sides that form the right angle. In DABC, If ZB is the right angle, then AB and BC are the legs.
HYPOTENUSE	In a right triangle, the side opposite the right angle is called the hypotenuse.	of DABC, then AC is the hypotenuse.
SIDE-ANGLE-SIDE (SAS) CONGRUENCE POSTULATE	If two sides and the included angle of one triangle are congruent to two sides and the included angle of a second triangle, then the two triangles are congruent. *INCLUDED ANGLE- In a triangle, the angle formed by two sides is the included angle for those two sides.	If Side $\overline{RS} \cong \underline{\overline{UV}}$, Angle $\langle R \cong \underline{\overline{UV}} \rangle$, and Side $\overline{RT} \cong \underline{\overline{UV}} \rangle$, then $\Delta RST \cong \Delta \underline{\overline{UVW}}$. By SAS

