

Tips for solving proofs that involve triangles

Remember to look for ONLY these combinations for congruent triangles: *SAS*, *ASA*, *SSS*, *AAS*, and *HL*(right triangle)

<i>Mark diagram</i>	Mark any given information on your diagram.
<i>Corresponding Parts</i>	Look to see if the pieces you need are "parts" of the triangles that can be proven congruent.
<i>Examine Diagram</i>	If not given all needed pieces to prove the triangles congruent, look to see what else you might know about the diagram.
<i>Use Definitions</i>	Know your definitions! If the given information contains definitions, consider these as "hints" to the solution and be sure to use them.
<i>More than one solution</i>	Stay open-minded. There may be more than one way to solve a problem.
<i>Common Parts</i>	Look to see if your triangles "share" parts. These common parts are automatically one set of congruent parts.