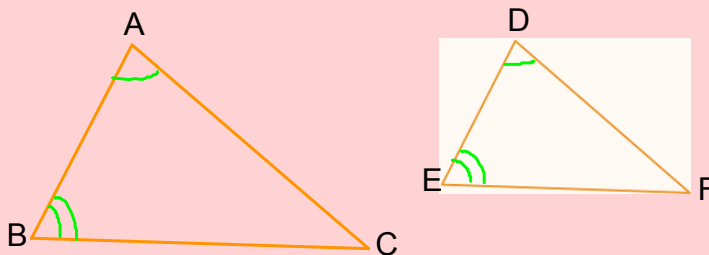


GEO Notes Lesson 8.3

"Proving Δ s \sim "

Ways to Prove Δ s are similar:

Postulate: AAA - If there exists a correspondence between the vertices of two triangles such that the three angles of one triangle are congruent to the corresponding angles of the other triangle, then the triangles are similar.



Can we prove these
2 Δ s are similar?

Theorem 62: (AA) -If there exists a correspondence between the vertices of two triangles such that the corresponding angles of one triangle are congruent to the corresponding angles of the other, then the triangles are similar.

Theorem 63: (SSS \rightarrow) - If there exists a correspondence between the vertices of two triangles such that the ratios of the measures of corresponding sides are equal, then the triangles are similar.

Theorem 64 - (SAS \hookrightarrow) If there exists a correspondence between the vertices of two triangles such that the ratios of the measures of two pairs of corresponding sides are equal and the included angles are congruent, then the triangles are similar.