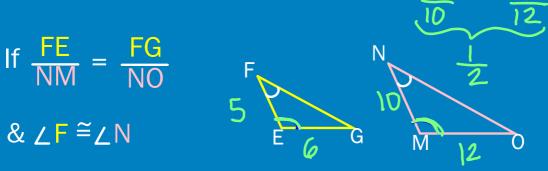


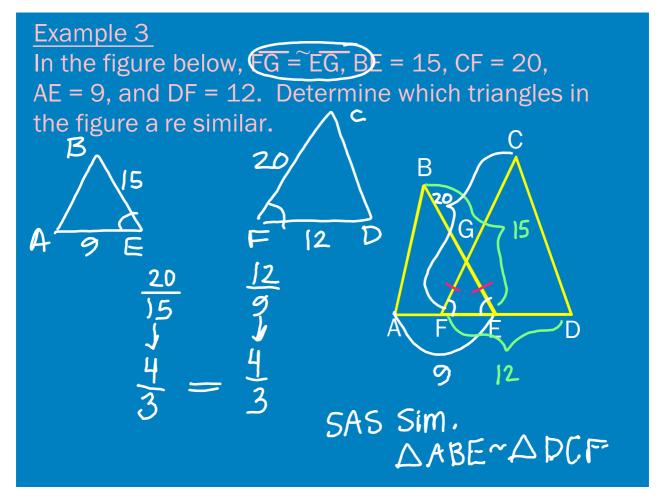
Theorem 8.3: SAS Similarity (Side-Angle-Side) If the measures of two sides of a triangle are proportional to the measures of two corresponding sides of another triangle and the included angles are congruent, then the triangles are similar.

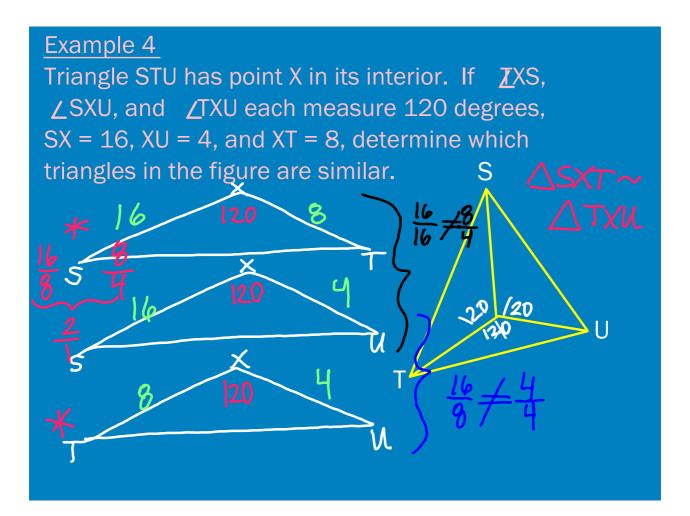


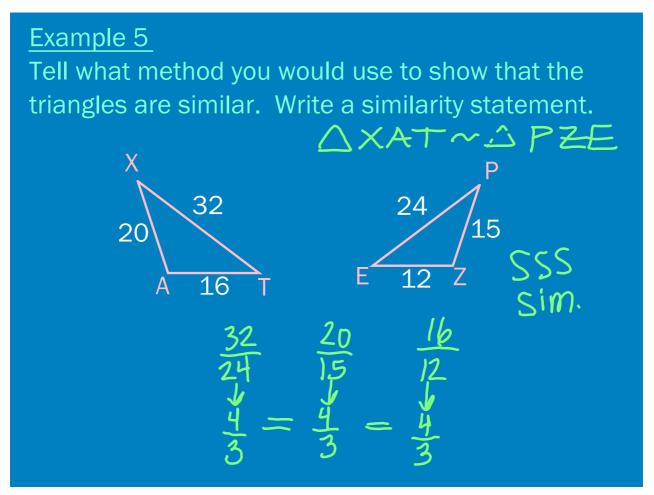
then $\triangle EFG \cong \triangle MNO$.

6.4 Proving Triangles are Similar (work).notebook

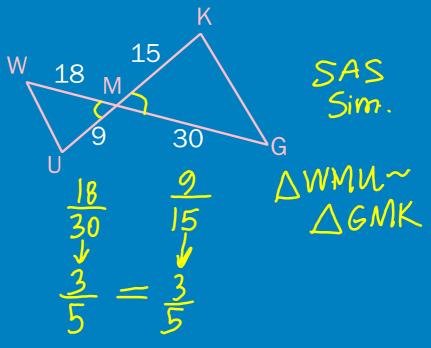
February 29, 2024

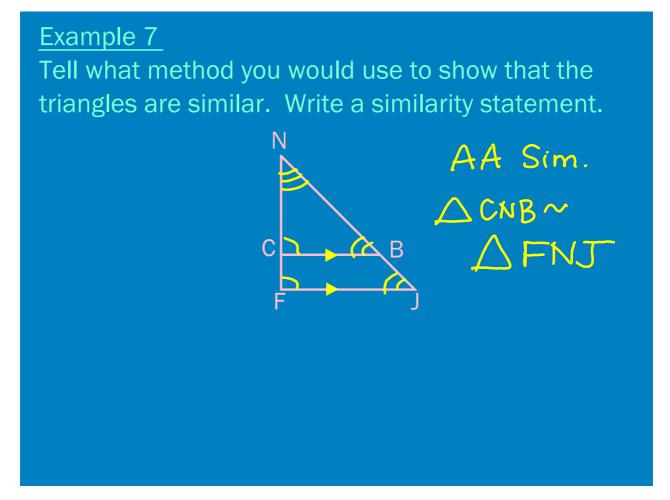






Example 6 Tell what method you would use to show that the triangles are similar. Write a similarity statement.





Example 8

The side lengths of \triangle ABC are 2, 5, and 6, and \triangle DEF has side lengths of 12, 30, and 36. Find the ratios of the lengths of the corresponding sides of \triangle ABC to \triangle DEF. Are the two triangles similar? Explain.

