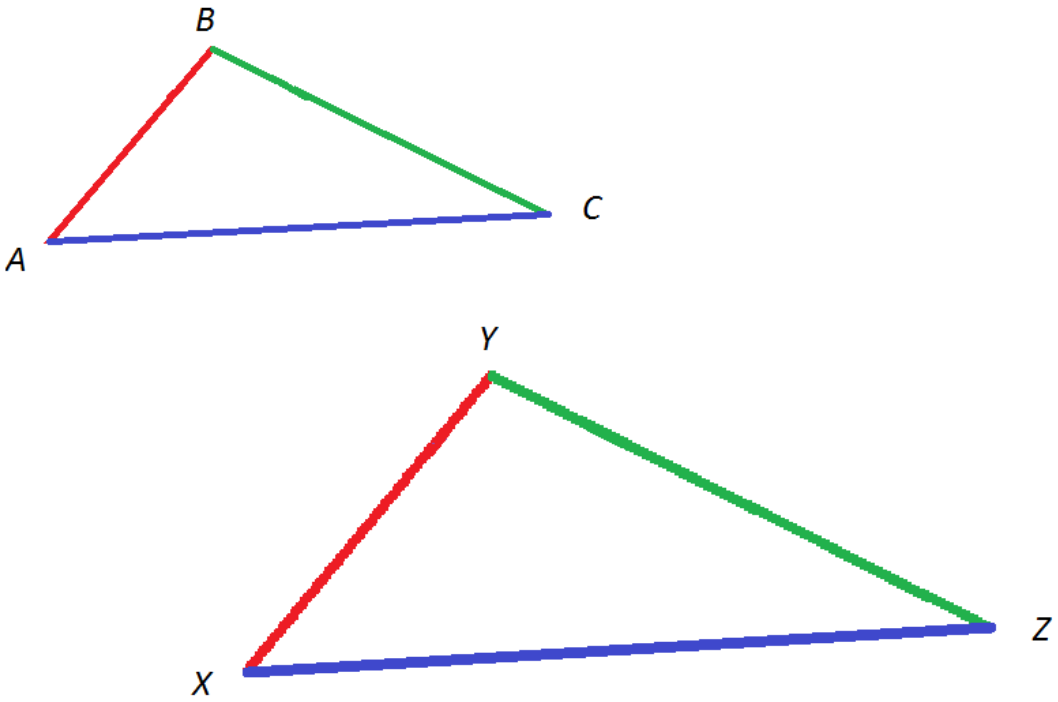
If…

<u>all three pairs of corresponding sides</u> of two triangles are **proportional** (same ratio),

then…

the two triangles are similar (~) by **<u>SSS Similarity</u>**

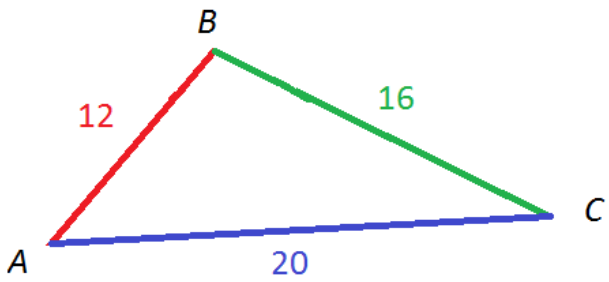


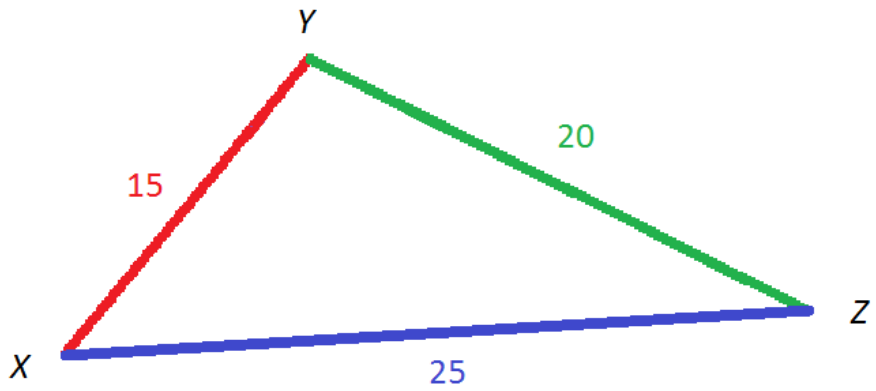
$\frac{AB}{XY} = \frac{BC}{YZ} = \frac{AC}{XZ}$ (that's the **S** and **S** and **S**), so…

Δ ABC ~ Δ XYZ

by <u>SSS Similarity</u>

Example 1





1. What is the ratio of the **red** sides of the triangles? _____

2. What is the ratio of the **green** sides of the triangles (use the same order for your fraction as #1)?

   _____

3. What is the ratio of the **blue** sides of the triangles (use the same order for your fraction as #1)?

   _____

4. We have **SSS Similarity**! Write a similar triangle statement:

   _____