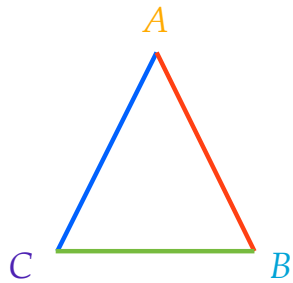


Angle-Angle Similarity with Triangles

Name _____

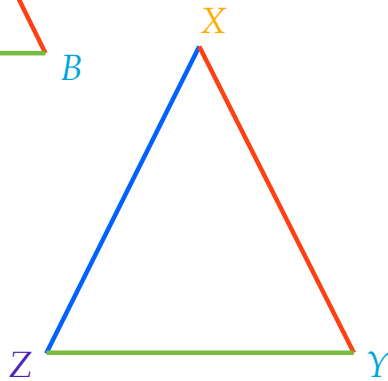
Date _____ Period _____

Two triangles are similar if and only if their **corresponding angles** are **congruent** and their **corresponding sides** are **proportional**.



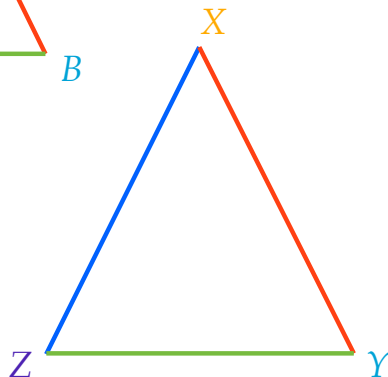
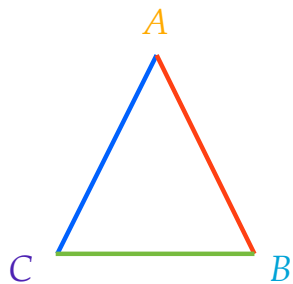
If $\triangle ABC \sim \triangle XYZ...$

Congruent Angles

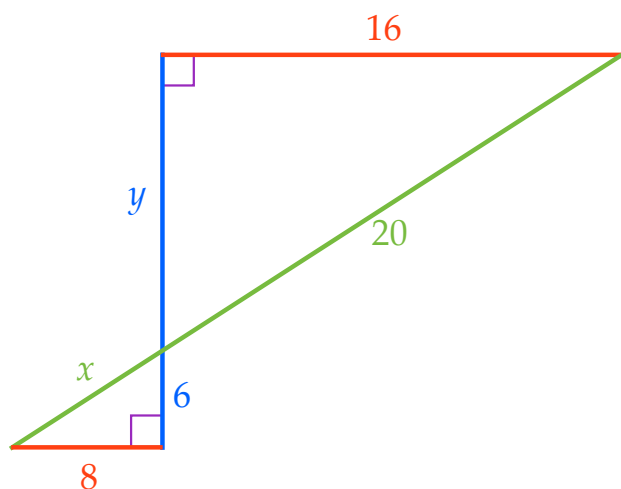


Proportional Sides

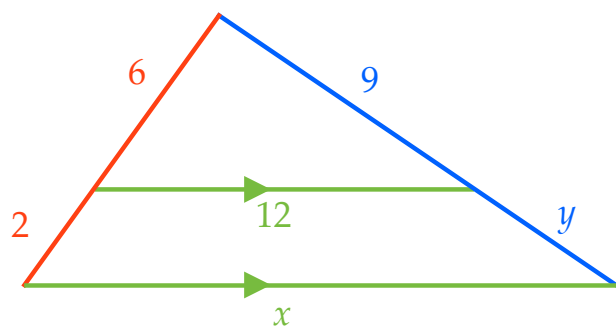
If **two angles** of one triangle are congruent to **two angles** of another triangle, then the two triangles are similar.



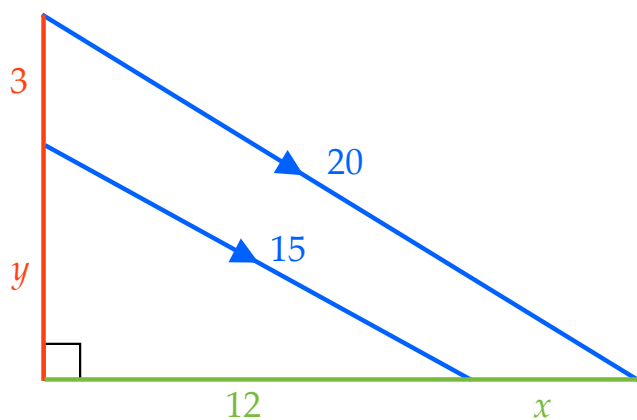
Given the following two triangles, determine the value of x and y .



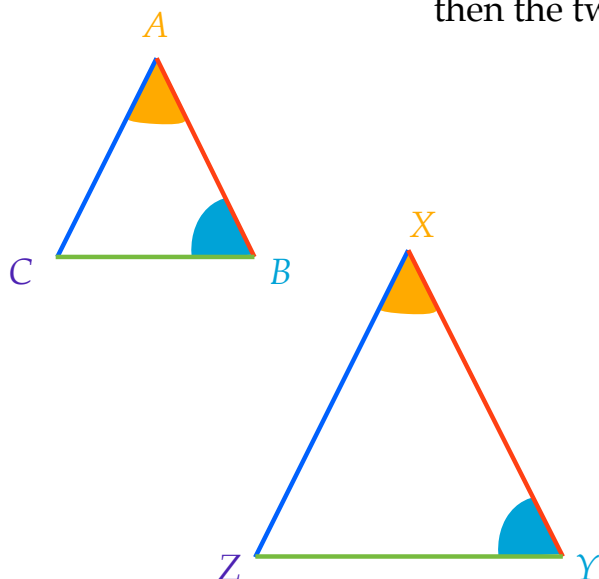
Given the following two triangles, determine the value of x and y .



Given the following two triangles, determine the value of x and y .



If **two angles** of one triangle are congruent to **two angles** of another triangle, then the two triangles are similar.



If $\angle A \cong \angle X$ and $\angle B \cong \angle Y$
 then $\triangle ABC \sim \triangle XYZ$
 by **Angle-Angle** Similarity

