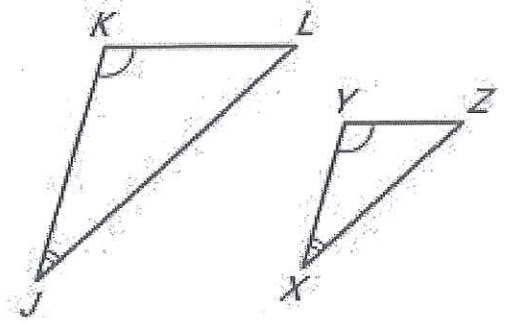


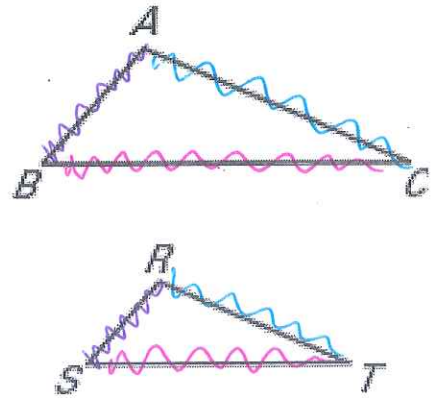
If two angles of one triangle are congruent to two angles of another, then the triangles are similar.



$$\underline{\angle K \cong \angle Y} \quad \text{and} \quad \underline{\angle J \cong \angle X}$$

$$\underline{\Delta JKL \sim \Delta XYZ}$$

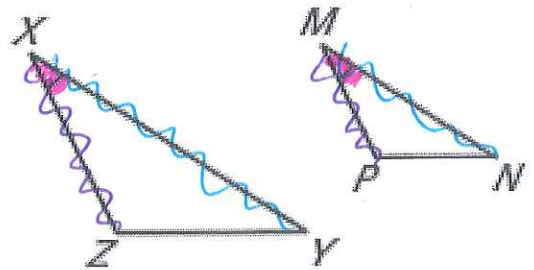
If all three sides of one triangle are proportional to all three sides of another, then the triangles are similar.



$$\underline{\frac{AB}{RS} = \frac{BC}{ST} = \frac{AC}{RT}}$$

$$\underline{\Delta ABC \sim \Delta RST}$$

If two sides of one triangle are proportional to two sides of another triangle, and the angles included are congruent, then the triangles are similar.



$$\underline{\frac{XZ}{MP} = \frac{XY}{MN}}$$

$$\underline{\Delta XYZ \sim \Delta MNP}$$

and $\underline{\angle X \cong \angle M}$

AA

Similarity

SSS

Similarity

SAS

Similarity