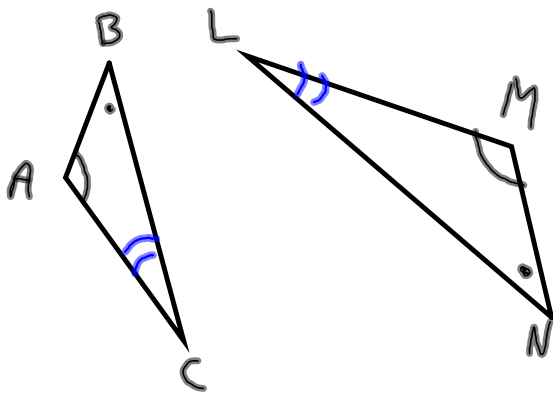


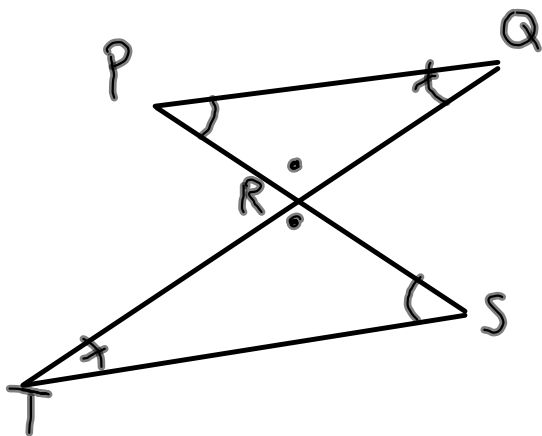
Write the Similarity Statement for the Following:



All the angles in a triangle add up to 180° . So, if two angles in a triangle have corresponding (are equal to) angles in a second triangle then the remaining third angles are corresponding.

$$\frac{AB}{MN} = \frac{BC}{NL} = \frac{AC}{ML} \quad \left\{ \begin{array}{l} \text{side} \\ \text{length} \end{array} \right.$$

$$\triangle ABC \sim \triangle MNL$$

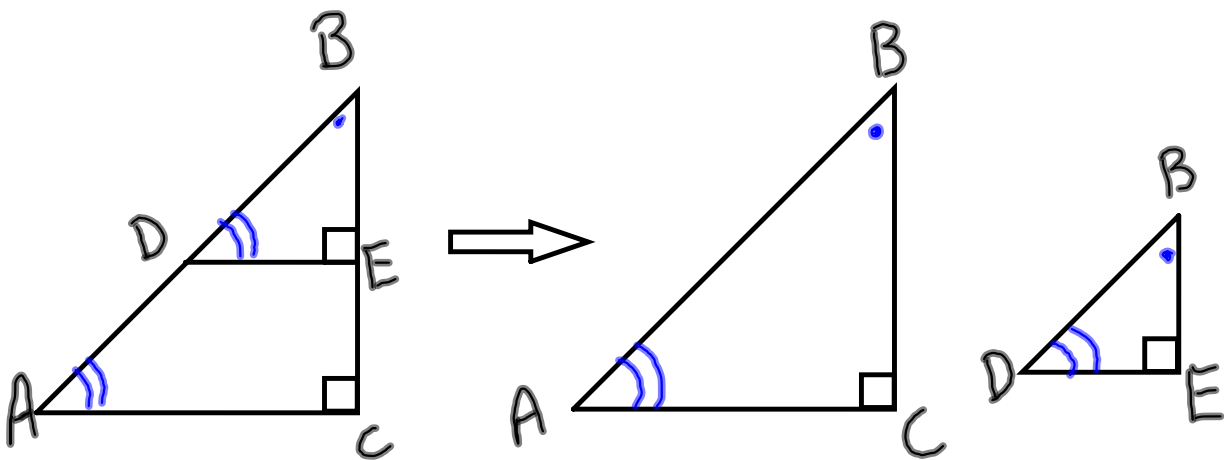


When lines cross, the angles opposite each other are equal.

$$\triangle PQR \sim \triangle STR$$

$$\frac{PQ}{ST} = \frac{QR}{TR} = \frac{PR}{SR}$$

Sometimes an angle is contained (or part of) two triangles. We can think of two separate triangles containing that angle.



$$\triangle ABC \sim \triangle DBE \quad \frac{AB}{DB} = \frac{BC}{BE} = \frac{AC}{DE}$$