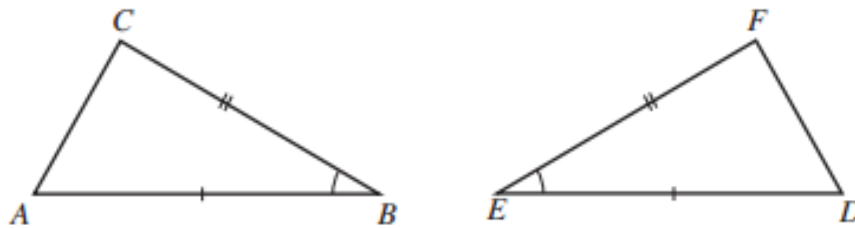


What's the difference with side-angle-side and angle-side-angle?

Solution.

Side-Angle-Side and Angle-Side-Angle are two postulates of triangle congruence.

SAS (Side-Angle-Side): If two pairs of sides of two triangles are equal in length, and the included angles are equal in measurement, then the triangles are congruent.



For example, $\triangle ABC \cong \triangle EDF$, such as $AB = ED, BC = EF, \mu(\angle ABC) = \mu(\angle DEF)$

ASA (Angle-Side-Angle): If two pairs of angles of two triangles are equal in measurement, and the included sides are equal in length, then the triangles are congruent.



For example, $\triangle ABC \cong \triangle DEF$, such as $AC = DF, \mu(\angle BAC) = \mu(\angle EDF),$
 $\mu(\angle BCA) = \mu(\angle EFD)$