

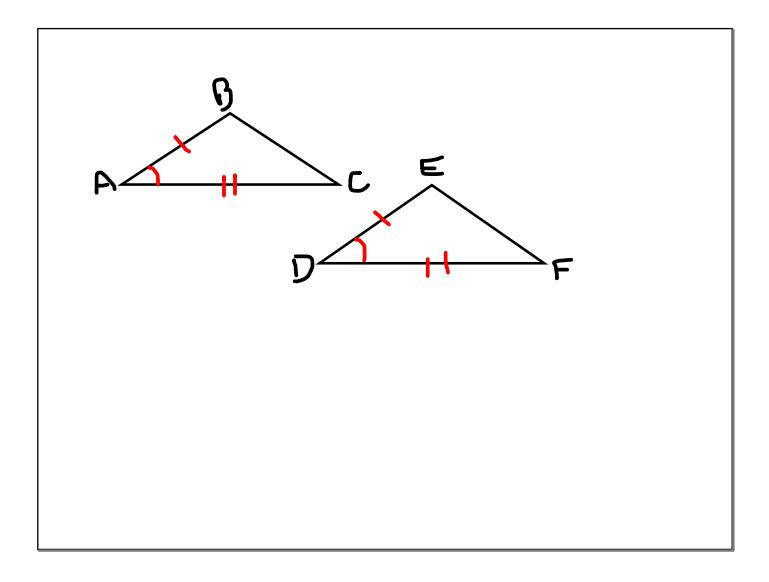
There are 6 different ways that the three corresponding parts of two triangles may be congruent. Some of these will be congruence shortcuts and some will not. Today we are going to learn about 3: Side-Angle-Side (SAS) Side-Side-Side (SSS) ? Two pairs of congruent sides and one pair of congruent angles (angles between the pairs of Three pairs of congruent sides sides) Side-Side-Angle (SSA) ? \simeq Two pairs of congruent sides and one pair of congruent angles (angles not between the pairs of sides)

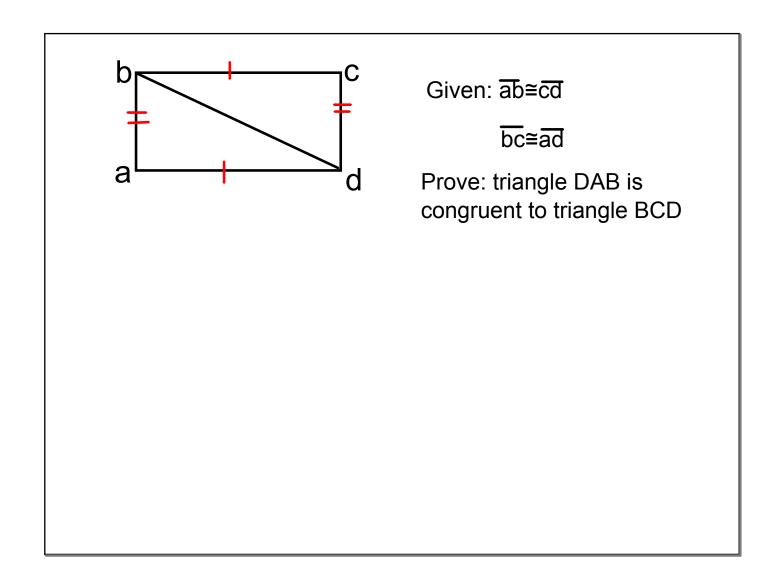
Investigation 4.4 on Sketchpad

SSS Congruence Conjecture: If the three sides of one triangle are congruent to the three sides of another triangle, then

SAS Congruence Conjecture: If two sides and the included angle of one triangle are congruent to two sides and the included angle of another triangle, then

SSA: If two sides and a non-included angle of one triangle are congruent to two sides and a non-included angle of another triangle, then





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