Description:
Two triangles are congruent if two pairs of corresponding sides and the pair of corresponding angles between the sides are congruent.

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Description:
Two triangles are congruent if three pairs of corresponding sides are congruent.

Description:
Two triangles are congruent if two pairs of corresponding angles and a pair of corresponding sides not between the angles are congruent.

Description:
Two triangles are congruent if a pair of corresponding angles are right angles, a pair of corresponding legs are congruent, and the pair of hypotenuses are congruent.

Description:
Two triangles are NOT NECESSARILY congruent if two pairs of corresponding sides are congruent and pair of corresponding angles NOT between the sides are congruent.

Description:
Two triangles are NOT NECESSARILY congruent if three pairs of corresponding angles are congruent.

Description:

If three angles are the angles of a triangle, then the sum of the three angles is 180°

Description:
If lines are parallel then corresponding angles are congruent.
Converse: If corresponding angles are congruent then lines are parallel.

Description:
If lines are parallel then alternate exterior angles are congruent.
Converse: If alternate exterior angles are congruent then lines are parallel.

Description:
If lines are parallel then alternate interior angles are congruent.
Converse: If alternate interior angles are congruent then lines are parallel.

Description:
If lines are parallel then same side interior angles are supplementary.
Converse: If same side interior angles are supplementary then lines are parallel.

Description:
If a triangle is isosceles, then the base angles are congruent.
Converse: If a triangle has congruent base angles, then the triangle is isosceles.

Description:
If two angles are vertical angles, then they are congruent.