

Write the congruency of triangles in the symbol form. Also write 3 pairs of corresponding parts you have used to answer.

Solution:

The congruency of triangles	The congruency of triangles in the symbol form
Side-Side-Side (SSS) Congruence: If three sides of one triangle are congruent to three sides of another triangle, then the triangles are congruent	$\triangle ABC \cong \triangle EFG$ if $AB \cong EF, BC \cong FG, CA \cong GE$
Side-Angle-Side (SAS) Congruence: If two sides and the included angle of one triangle are congruent to the corresponding parts of another triangle, the triangles are congruent	$\triangle ABC \cong \triangle EFG$ if 1. $AB \cong EF, \angle B \cong \angle F, BC \cong FG$ or 2. $BC \cong FG, \angle C \cong \angle G, CA \cong GE$ or 3. $CA \cong GE, AB \cong EF, \angle A \cong \angle E$
Angle-Side-Angle (ASA) Congruence: If two angles and the included side of one triangle are congruent to the corresponding parts of another triangle, the triangles are congruent	$\triangle ABC \cong \triangle EFG$ if 1. $\angle A \cong \angle E, AB \cong EF, \angle B \cong \angle F$ or 2. $\angle B \cong \angle F, BC \cong FG, \angle C \cong \angle G$ or 3. $\angle C \cong \angle G, CA \cong GE, \angle A \cong \angle E$
Angle-Angle-Side (AAS) Congruence: If two angles and the non-included side of one triangle are congruent to the corresponding parts of another triangle, the triangles are congruent	$\triangle ABC \cong \triangle EFG$ if 1. $\angle A \cong \angle E, \angle B \cong \angle F, BC \cong FG$ or 2. $\angle A \cong \angle E, \angle B \cong \angle F, CA \cong GE$ or 3. $\angle B \cong \angle F, \angle C \cong \angle G, AB \cong EF$ or 4. $\angle B \cong \angle F, \angle C \cong \angle G, CA \cong GE$ or 5. $\angle C \cong \angle G, \angle A \cong \angle E, AB \cong EF$ or 6. $\angle C \cong \angle G, \angle A \cong \angle E, BC \cong FG$