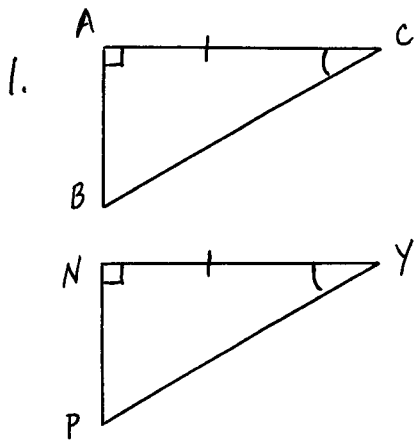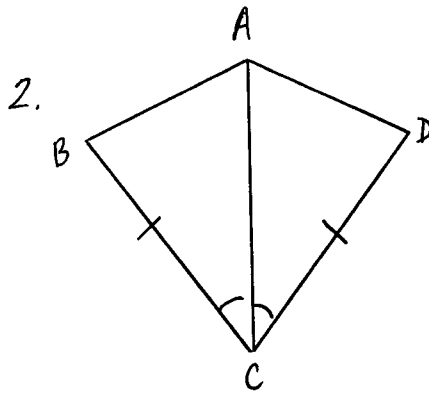# WAYS TO PROVE TRIANGLES ARE CONGRUENT
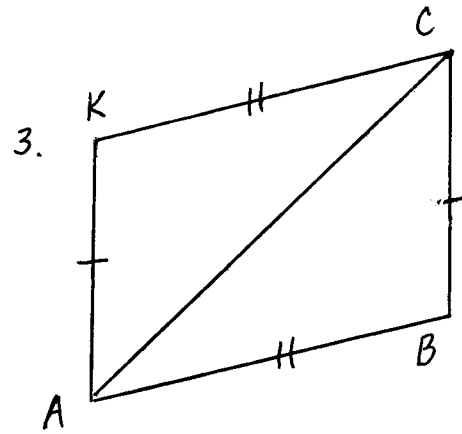
DECIDE WHY △ABC IS CONGRUENT TO THE OTHER TRIANGLE.
COMPLETE THE CONGRUENCE AND STATE THE REASON (SSS, SAS, ASA or AAS) USED :

1.
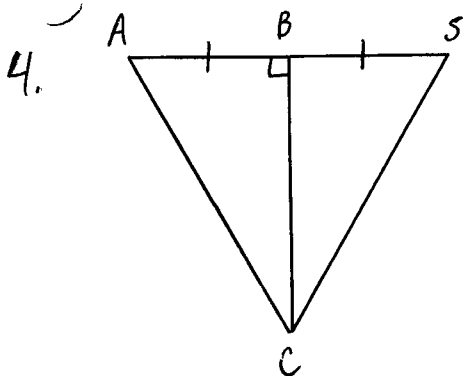
△ABC ≅ _____
because _____

2.
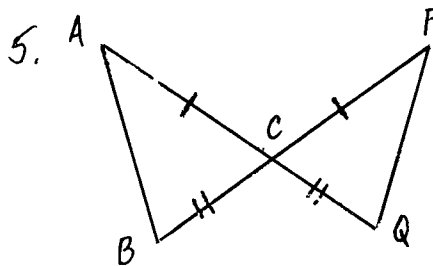
△ABC ≅ _____
because _____

3.

△ABC ≅ _____
because _____

4.

△ABC ≅ _____
because _____

5.

△ABC ≅ _____
because _____

6.

△ABC ≅ _____
because _____

7.

△ABC ≅ _____
because _____

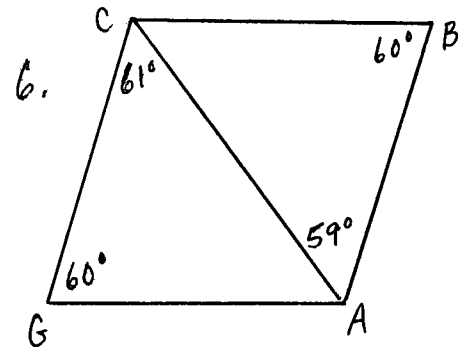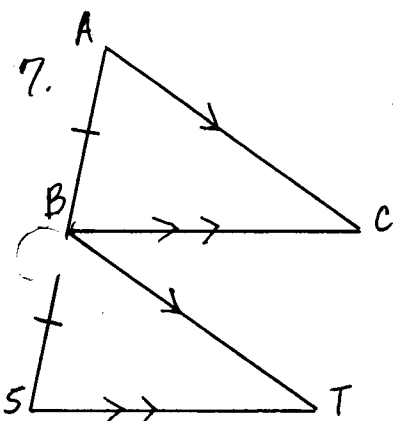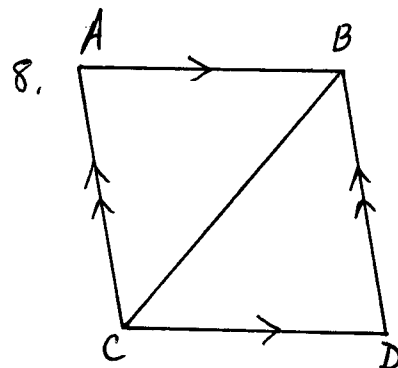**8.**

△ABC ≅ _____
because _____

9.

$\triangle ABC \cong$ _____
because _____

10.

$\triangle ABC \cong$ _____
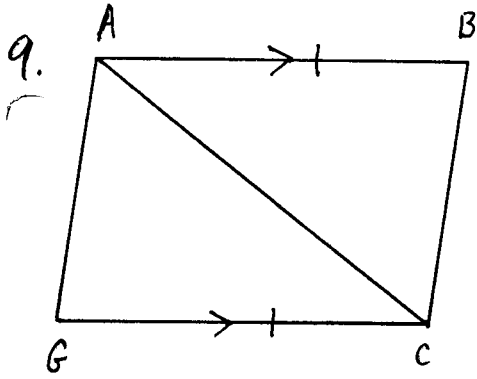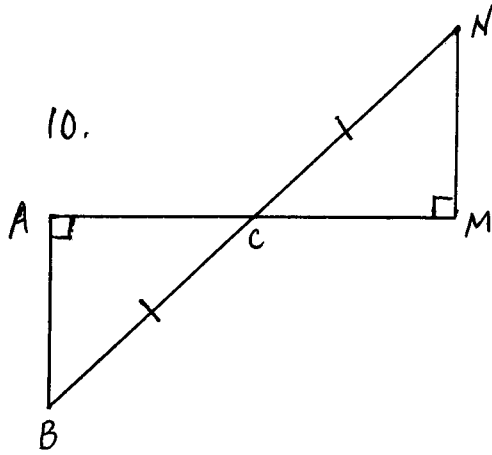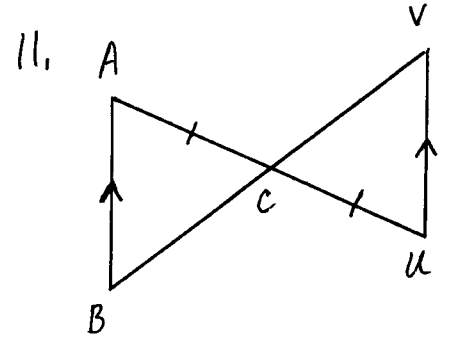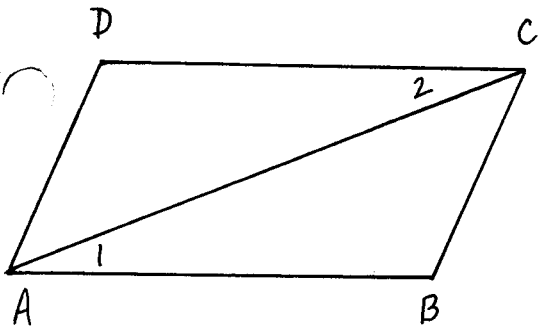because _____

11.

$\triangle ABC \cong$ _____
because _____

12. SUPPLY THE MISSING REASONS:

Given $\overline{AB} \parallel \overline{DC}$
$\overline{AB} \cong \overline{DC}$

Prove $\triangle ABC \cong \triangle CDA$

1. $\overline{AB} \cong \overline{DC}$	1.
2. $\overline{AC} \cong \overline{AC}$	2.
3. $\overline{AB} \parallel \overline{DC}$	3.
4. $\angle 1 \cong \angle 2$	4.
5. $\triangle ABC \cong \triangle CDA$	5.