



Side-Angle-Side

HL Hypotenuse-leg

ASA

ANGLE-SIDE-ANGLE

AAS

ANGLE-ANGLE-Side

SIDE-SIDE-SIDE Congruence postulate

If three sides of one triangle are congruent to three sides of a second triangle, then the two triangles are congruent.

SIDE-ANGLE-SIDE CONGITUENCE POSTULATE

If two sides and the included angle of one triangle are congruent to two sides and the included angle of a second triangle, then the two triangles are congruent.

HYPOTENUSE-LEG Congruence Theorem

If the hypotenuse and a leg of a right triangle are congruent to the hypotenuse and a leg of a second right triangle, then the two triangles are congruent.

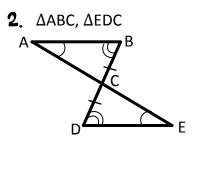
ANGLE-SIDE-ANGLE congruence postulate

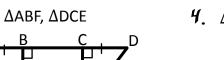
If two angles and the included side of one triangle are congruent to two angles and the included side of a second triangle, then the two triangles are congruent.

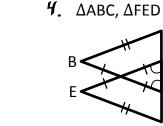
ANGLE-ANGLE-SIDE CONGITUENCE THEOTEM

If two angles and a non-included side of one triangle are congruent to two angles and the corresponding non-included side of a second triangle, then the two triangles are congruent. Can the triangles be proven congruent with the information given in the diagram? If so, state the postulate(s) or theorem(s) you would use.

1. ΔABD, ΔCDB

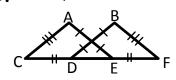


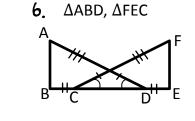




5. ΔCAE, ΔFBD

3





7. ΔΑCE, ΔDFB

8. ΔΑΒC, ΔΑDC

CONGLUON. ATC **TTTTIANCLCS** PLOVING





Side-Angle-Side

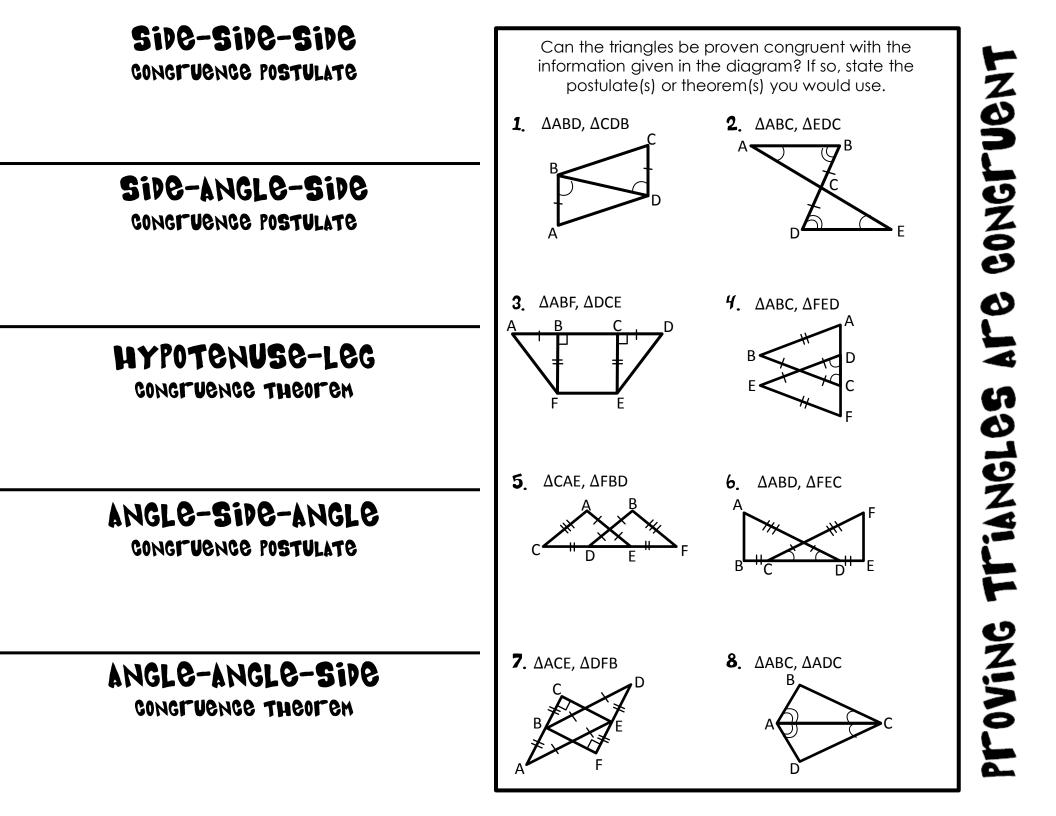
HL Hypotenuse-leg

ASA

ANGLE-SIDE-ANGLE

AAS

ANGLE-ANGLE-Side







Side-Angle-Side

HL HYPOTENUSE-LEG

ASA

ANGLE-SIDE-ANGLE

AAS

ANGLE-ANGLE-SIDE

Answer Key!

SIDE-SIDE-SIDE Congruence postulate

If three sides of one triangle are congruent to three sides of a second triangle, then the two triangles are congruent.

SIDE-ANGLE-SIDE CONGITUENCE POSTULATE

If two sides and the included angle of one triangle are congruent to two sides and the included angle of a second triangle, then the two triangles are congruent.

HYPOTENUSE-LEG Congruence Theorem

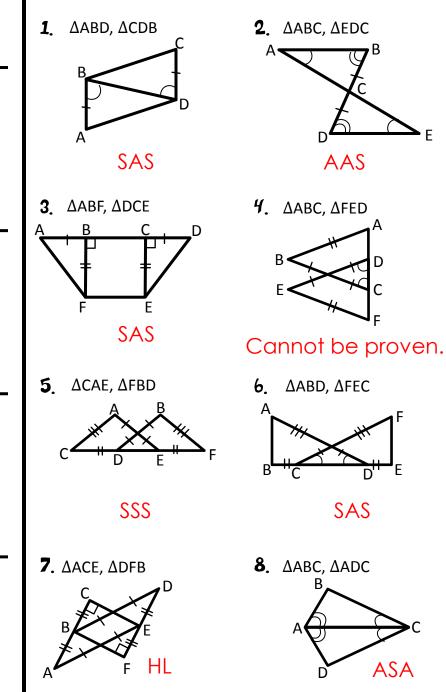
If the hypotenuse and a leg of a right triangle are congruent to the hypotenuse and a leg of a second right triangle, then the two triangles are congruent.

ANGLE-SIDE-ANGLE CONGITUENCE POSTULATE

If two angles and the included side of one triangle are congruent to two angles and the included side of a second triangle, then the two triangles are congruent.

ANGLE-ANGLE-SIDE CONGITUENCE THEOTEM

If two angles and a non-included side of one triangle are congruent to two angles and the corresponding non-included side of a second triangle, then the two triangles are congruent. Can the triangles be proven congruent with the information given in the diagram? If so, state the postulate(s) or theorem(s) you would use.



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Directions

Print pages 1 & 2 (3 & 4 if you prefer to have the students write the postulates and theorems; 5&6 for the answer key) front to back. On my printer, I use the option to print double sided and to flip along the short edge.

Have students fold the sheet in half and cut long the dotted lines to create the 5 tabs.



The final product should look like this:

