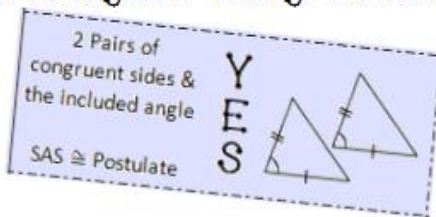
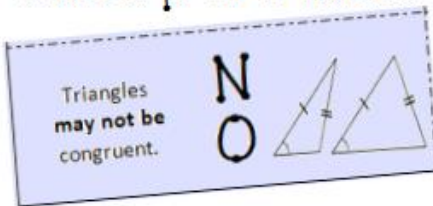


## Congruent Triangle Foldable

# Congruent Triangle Foldable



Can I prove these triangles congruent?



### Directions

This foldable allows student to review the ways to prove 2 triangles congruent but it also shows 2 ways that do not work and examples of non-congruent triangles.

These pages are formatted to print front and back, this is why they appear to be in wrong order.

I like options so there are 2 options for the front and 3 for the inside. One includes only the pictures of triangles so the student can make the foldable themselves.

### Possible Uses:

- Guided Notes
- Use with Interactive Student Notebook (ISN)
- Review activity

SSS

---

ASA

---

AAS

---

AAA

Can I prove  
these triangles  
congruent?

---

SAS

---

HL

SSA

Side  
Side  
Side

---

Angle  
Side  
Angle

---

Angle  
Angle  
Side

---

Angle  
Angle  
Angle

Can I prove  
these triangles  
congruent?

---

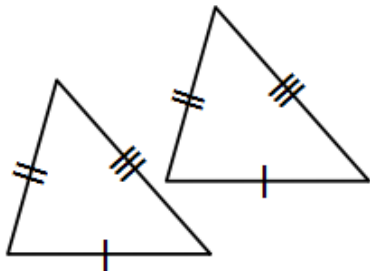
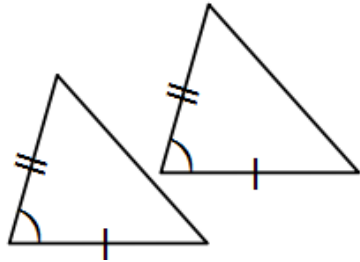
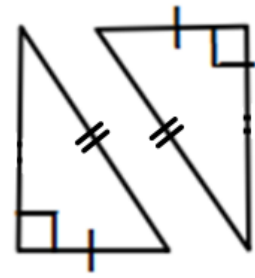
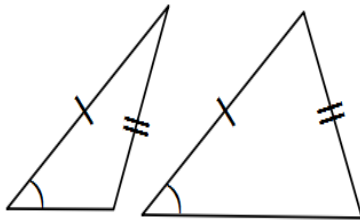
Side  
Angle  
Side

---

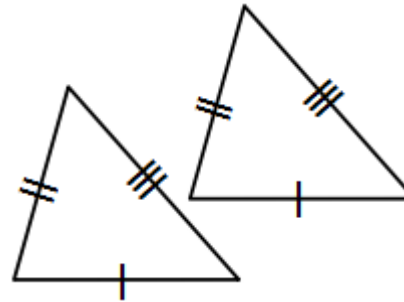
Hypotenuse  
Leg

---

Side  
Side  
Angle

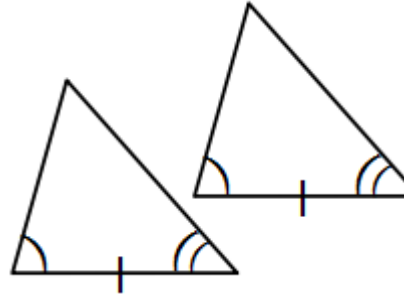
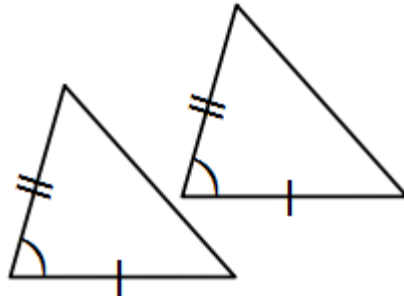
<p>You only need 3 sets of corresponding parts congruent in order to prove 2 triangles congruent.</p> <p><i>Do you have the correct information?</i></p>		<p>Y E S</p>	<p>3 Pairs of congruent sides</p> <p>SSS <math>\cong</math> Postulate</p>
<p>2 Pairs of congruent sides &amp; the included angle</p> <p>SAS <math>\cong</math> Postulate</p>		<p>Y E S</p>	<p>2 Pairs of congruent angles &amp; the included side</p> <p>ASA <math>\cong</math> Postulate</p>
<p>2 Pairs of congruent sides of a right triangle</p> <p>HL <math>\cong</math> Theorem</p>		<p>Y E S</p>	<p>2 Pairs of congruent angles &amp; non-included side</p> <p>AAS <math>\cong</math> Theorem</p>
<p>Triangles may not be congruent.</p>		<p>N O</p>	<p><b>Cannot prove congruent</b></p> <p>Triangles may be similar</p>

You only need 3 sets of corresponding parts congruent in order to prove 2 triangles congruent.  
*Do you have the correct information?*



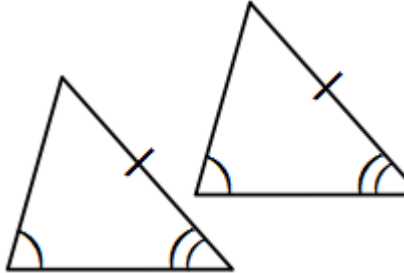
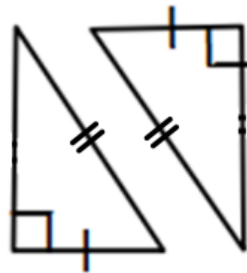
**YES**

**YES**



**YES**

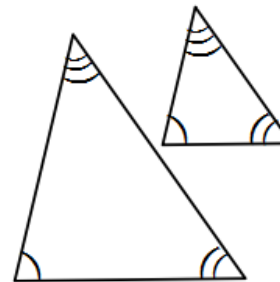
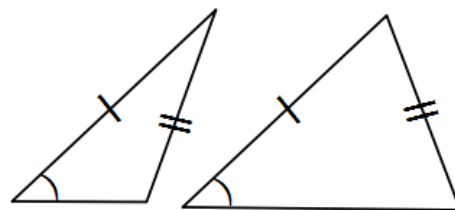
**YES**



**YES**

**NO**

Triangles  
 Not always Congruent



**NO**

Triangles may be  
 similar

