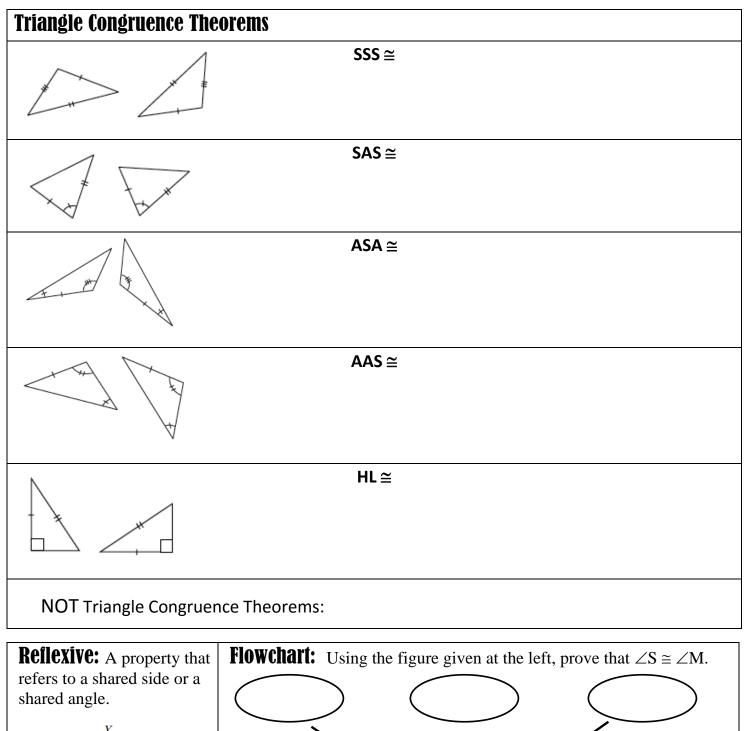
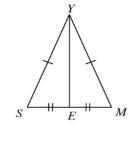
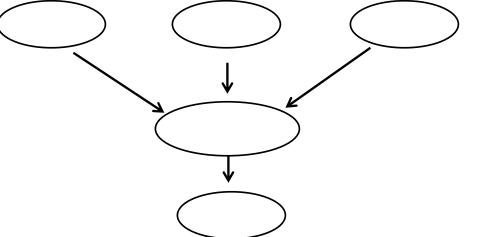
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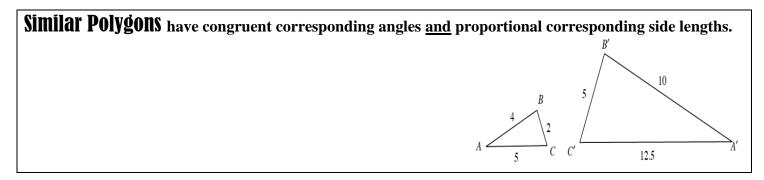




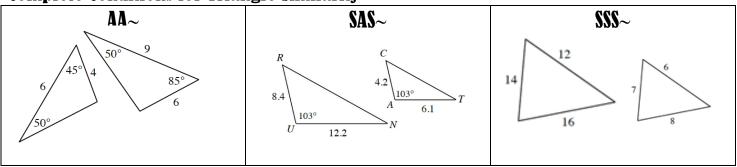


Conditional Statements and Converses In a <u>conditional statement</u> , the 'if' portion of the statement is called the					
The 'then' portion is called the		If you reverse the order of the hypothesis and			
the conclusion, you create the _		of the statement.			
Evomploi					
Example:					
Conditional Statement:					
Converse:					
Exterior Angle Theorem					
remote interior angles	If $\angle x + \angle c = 180$ by	, and			
exterior	$\angle a + \angle b + \angle c = 180$ by _	, then			
angle /a b	∠x must equal	by			

x $c$	·		
	This is called the <i>Exterior Angle Theorem</i> .	It states that, the measure of an	
	exterior angle of a triangle equals		



## **Complete Conditions for Triangle Similarity**



## **Solving Systems of Equations**

Equal Value Method	Substitution Method	Elimination Method
y = 2x - 7	-3x + y = -6	3x + 2y = 11
y = 5x - 16	x = y - 4	7x + 3y = 29
Set equations equal to each other and solve for the variable.	Substitute one equation into the other:	<i>Rewrite</i> one or both equations by multiplying by a constant so one of the variables will be eliminated. Multiply top equation by
		Multiply bottom equation by
		3x + 2y = 11
		7x + 3y = 29
		-, -
Go back to one of the original equations, substitute, and solve for the other variable.	Go back to one of the original equations, substitute and solve for the other variable.	Go back to one of the original equations, substitute, and solve for the other variable.
Check both x and y in the <b>other</b> equation.	Check both x and y in the <b>other</b> equation.	Check both x and y in the other equation.
equation.		
Write your solution as an ordered	Write your solution as an ordered	Write your solution as an ordered
Write your solution as an ordered pair.	Write your solution as an ordered pair.	Write your solution as an ordered pair.
Pair.	- Point	- Pour