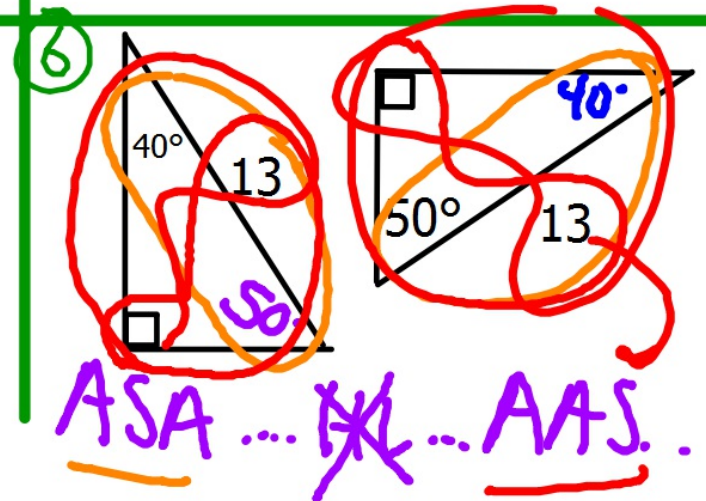
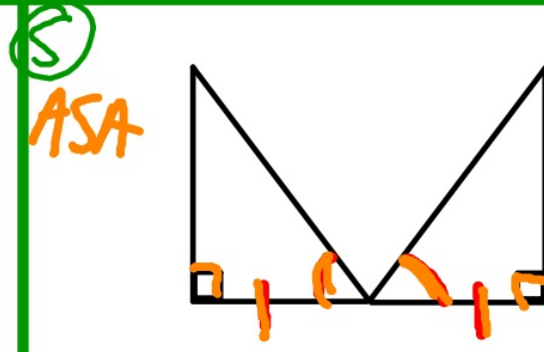
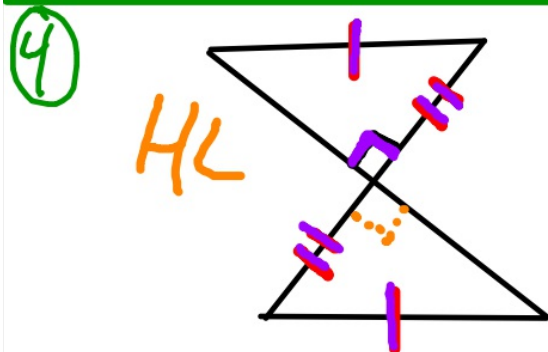
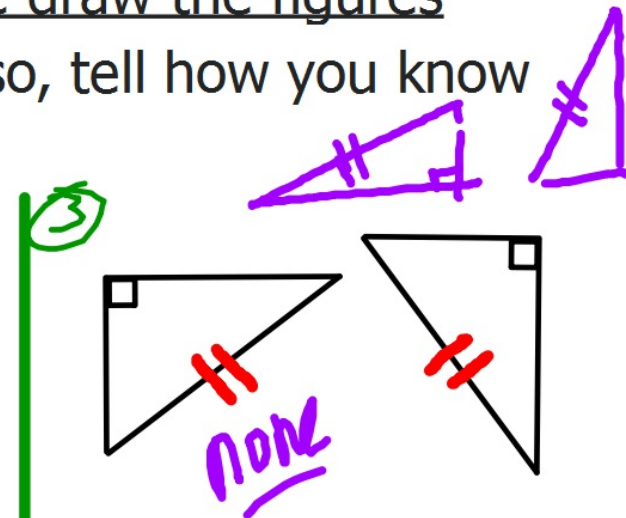
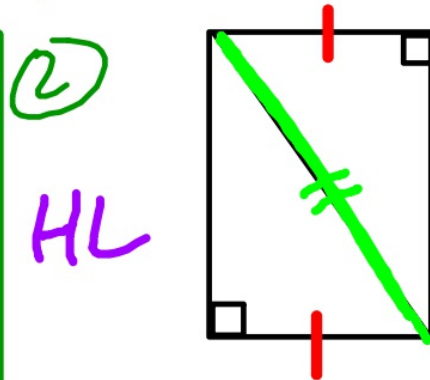
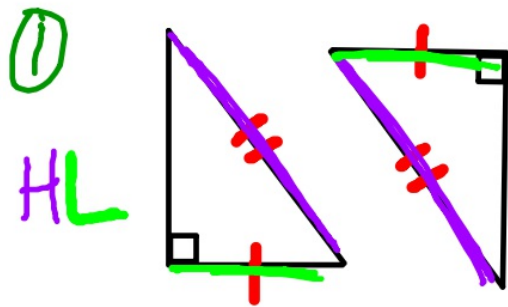


Good morning: warm up in notebooks; please draw the figures

Are the triangles in each pair congruent? If so, tell how you know (what criteria). If not, explain.



## Reassessments available in DS

Homework needed is listed in Powerschool and by the door in the classroom

Teacher Comments:

Section Description:

Due Date	Category	Assignment	Codes	Score	%	Grd
10/17/2016	AT	CO-B7a: Congruent Triangles		96/100	96	A
10/17/2016	AT	CO-B8a: Congruence Criteria		66/100	66	F
10/17/2016	AT	SRT-B5a: Proving Triangles Congruent		96/100	96	A
10/17/2016	AT	CO-A5b: Sequences of Transformations		100/100	100	A
10/17/2016	AT	CO-A3b: Symmetry		86/100	86	B
10/17/2016	AT	CO-B6b: Predictions and Congruence		50/100	50	F

Teacher Mohyuddin, Nader

Course HONORS GEOMETRY

Assignment name SRT-B5a: Proving Triangles Congruent

Description I can use congruence criteria for triangles to solve problems and to prove relationships in geometric figures.

Assigned hw:

back side of handout from class: [http://mgeo.weebly.com/uploads/2/2/5/0/22502010/geometry\\_-\\_triangle\\_congruence\\_-\\_recognizing\\_congruence\\_and\\_proofs.pdf](http://mgeo.weebly.com/uploads/2/2/5/0/22502010/geometry_-_triangle_congruence_-_recognizing_congruence_and_proofs.pdf)

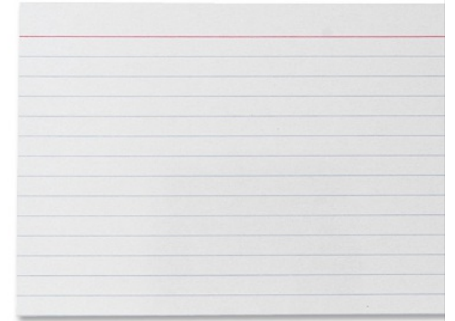
AND

completed practice assessment: [http://mgeo.weebly.com/uploads/2/2/5/0/22502010/geometry\\_-\\_triangle\\_congruence\\_-\\_assess\\_first\\_q2\\_practice.pdf](http://mgeo.weebly.com/uploads/2/2/5/0/22502010/geometry_-_triangle_congruence_-_assess_first_q2_practice.pdf)

## Project Rubric

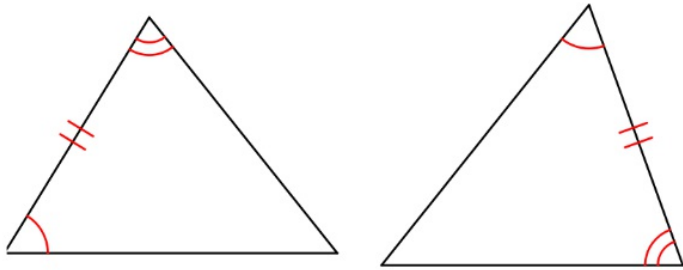
Project update:  
answer on the index card OR visit [bit.ly/projupdate](http://bit.ly/projupdate)

1. Name
2. Theme for project
3. Poster, Picture book, Slideshow, or Other (specify)?
4. How would you rate your completion percentage?
5. Pictures or sketches?
6. Are you enjoying the project?
7. Any questions or concerns to let me know?

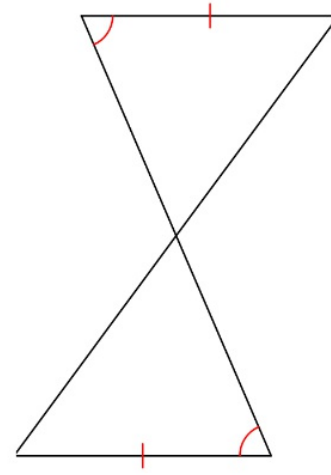


Which One Doesn't Belong?

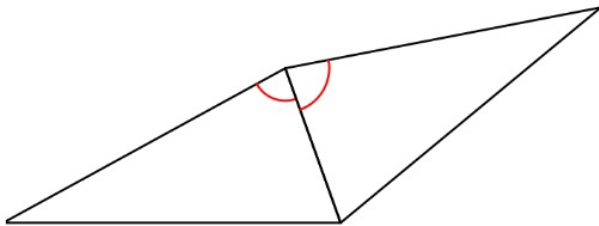
A



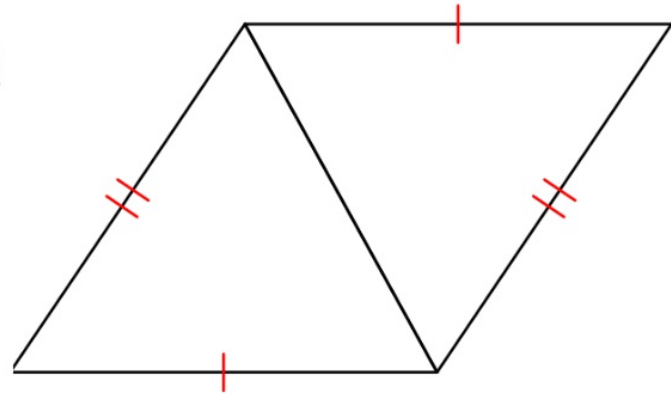
B



C

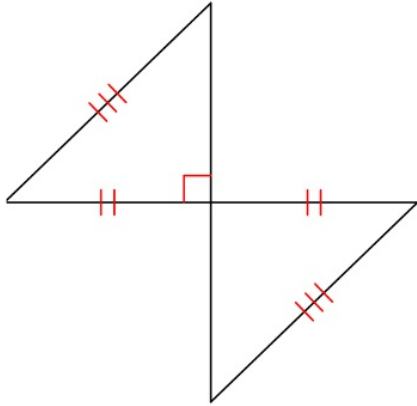


D

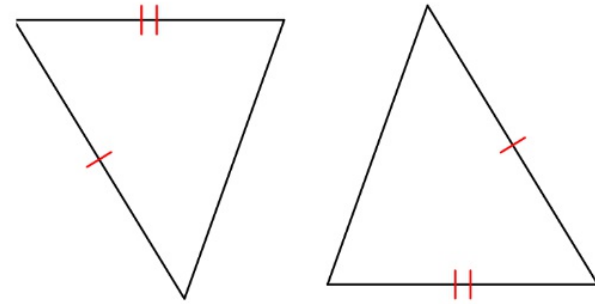


Which One Doesn't Belong?

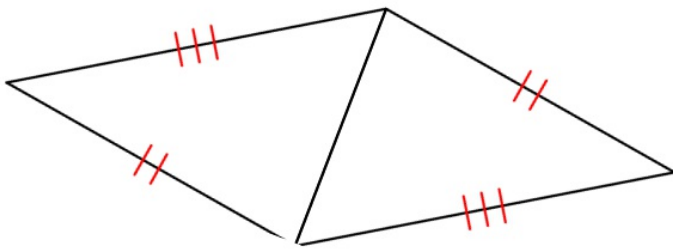
A



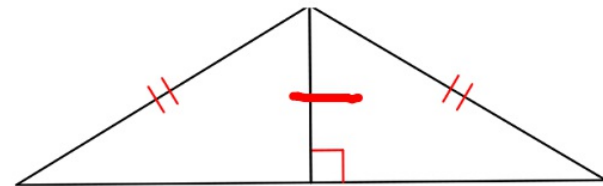
B



C

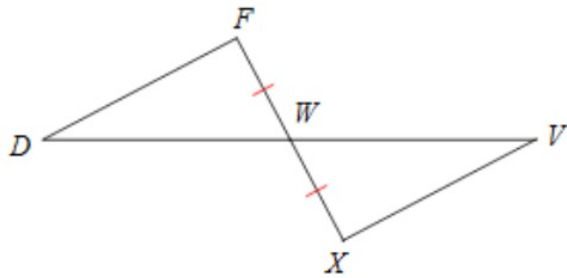


D

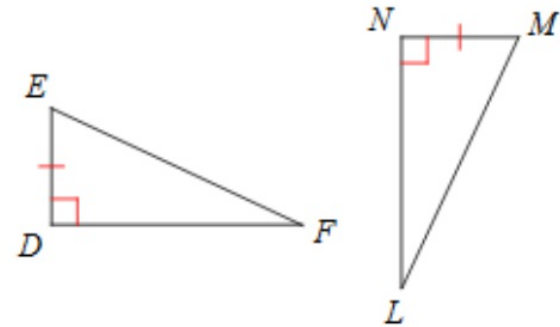


Which One Doesn't Belong?

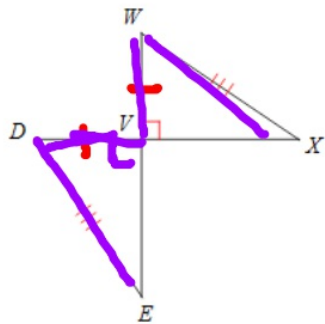
A



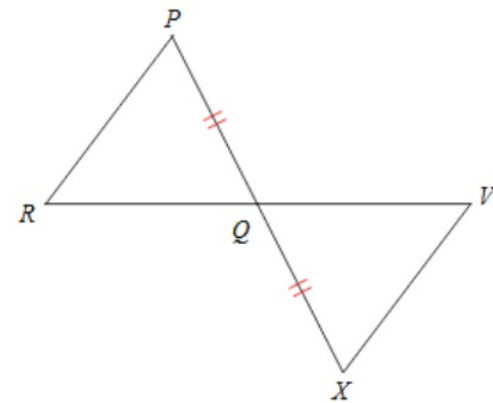
B



C



D





CPCTC



(NOTES)



If the objects/shapes are congruent,  
then so are the corresponding pieces that  
make up the objects/shapes.



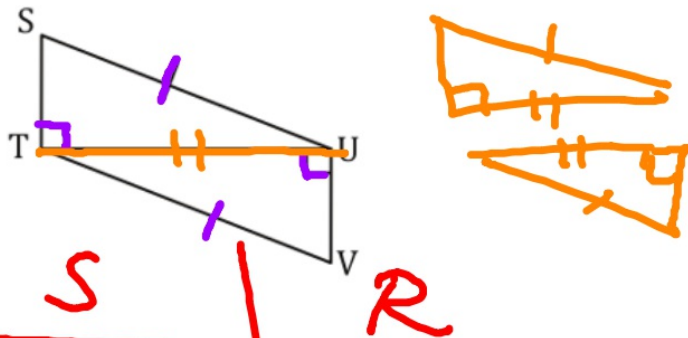
CPCTC

Corresponding  
Parts of  
Congruent  
Triangles are  
Congruent

If the shapes are the same,  
so are the matching parts

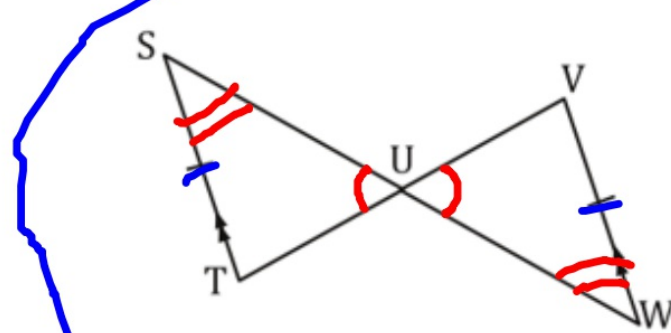


Given:  $\angle STU = 90^\circ$ ,  $\angle VUT = 90^\circ$ ,  $\overline{SU} \cong \overline{VT}$   
 Prove:  $\overline{ST} \cong \overline{VU}$



S	R
1. $\angle STU = 90^\circ$ $\angle VUT = 90^\circ$ $\overline{SU} \cong \overline{VT}$	1. Given
2. $\overline{TU} \cong \overline{UT}$	2. Reflexive P.
3. $\triangle STU \cong \triangle VUT$	3. HL
4. $\overline{ST} \cong \overline{VU}$	4. CPCTC

Given:  $\overline{ST} \parallel \overline{VW}$ , and  $\overline{ST} \cong \overline{VW}$



Prove:  $\overline{SU} \cong \overline{WU}$

S	R.
1. $\angle SUT \cong \angle WUV$	1. Given
2. $\angle S \cong \angle W$	2. Vertical A.
3. $\triangle SUT \cong \triangle WUV$	3. Alt. Ang.
4. $\overline{SU} \cong \overline{WU}$	4. AAS
5. $\overline{SU} \cong \overline{WU}$	5. CPCTC

Homework:

p. 166 #12-16 [SRT-B5b]

Example videos made by Mr M posted at [mgeo.weebly.com](http://mgeo.weebly.com)  
if you are stumped!