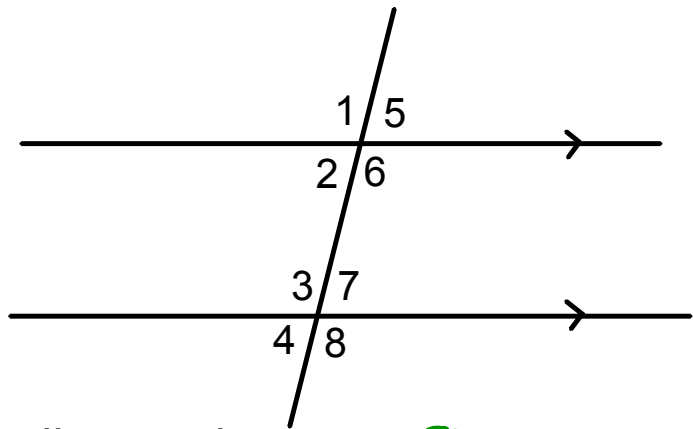


HW: Worksheet/15-20, 26, 35, 37

Warm up:

Give an example of each type of angles in the picture.



corresponding angles $6+8$

alternate interior angles $6+3$

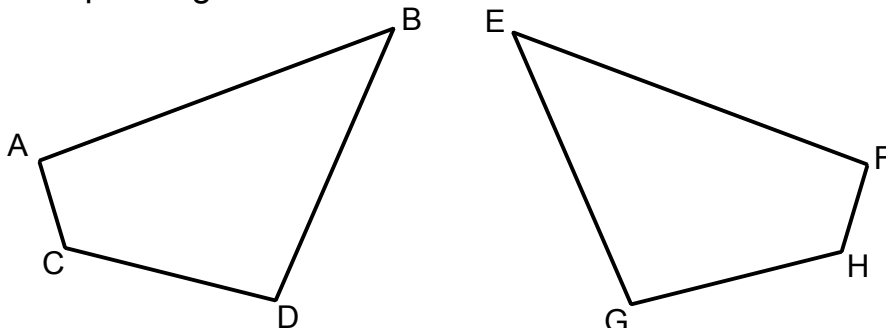
alternate exterior angles $1+8$

vertical angles $2+5$

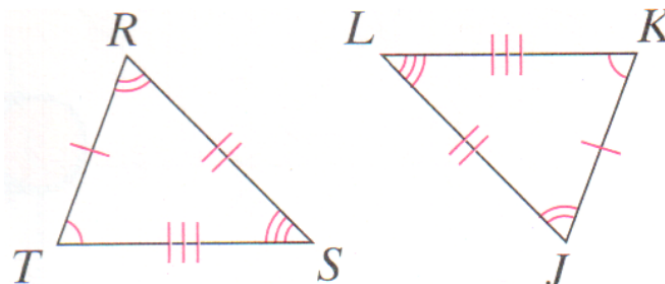
Congruent Polygons - polygons with the same size and shape

-When two polygons are congruent, you can translate, reflect, or rotate one so that it fits exactly on top of the other.

-When naming congruent polygons, always list the corresponding vertices in the same order.

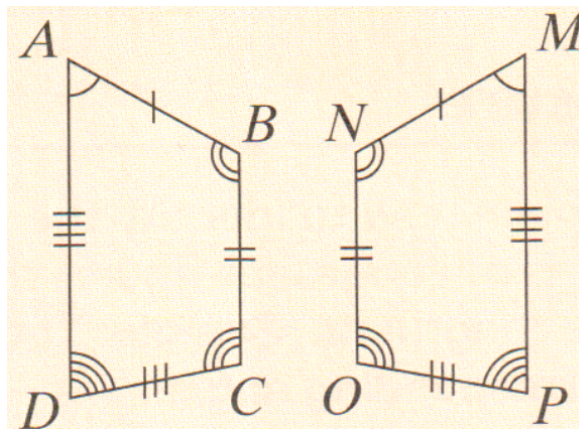


$$ABDC \cong FEGH$$



$$RST \cong JLK$$

$$ABCD \cong MNOP$$



HW Solutions

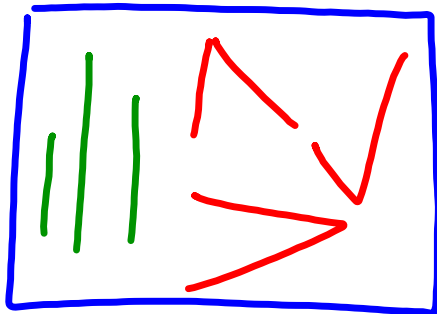
pg. 324-325

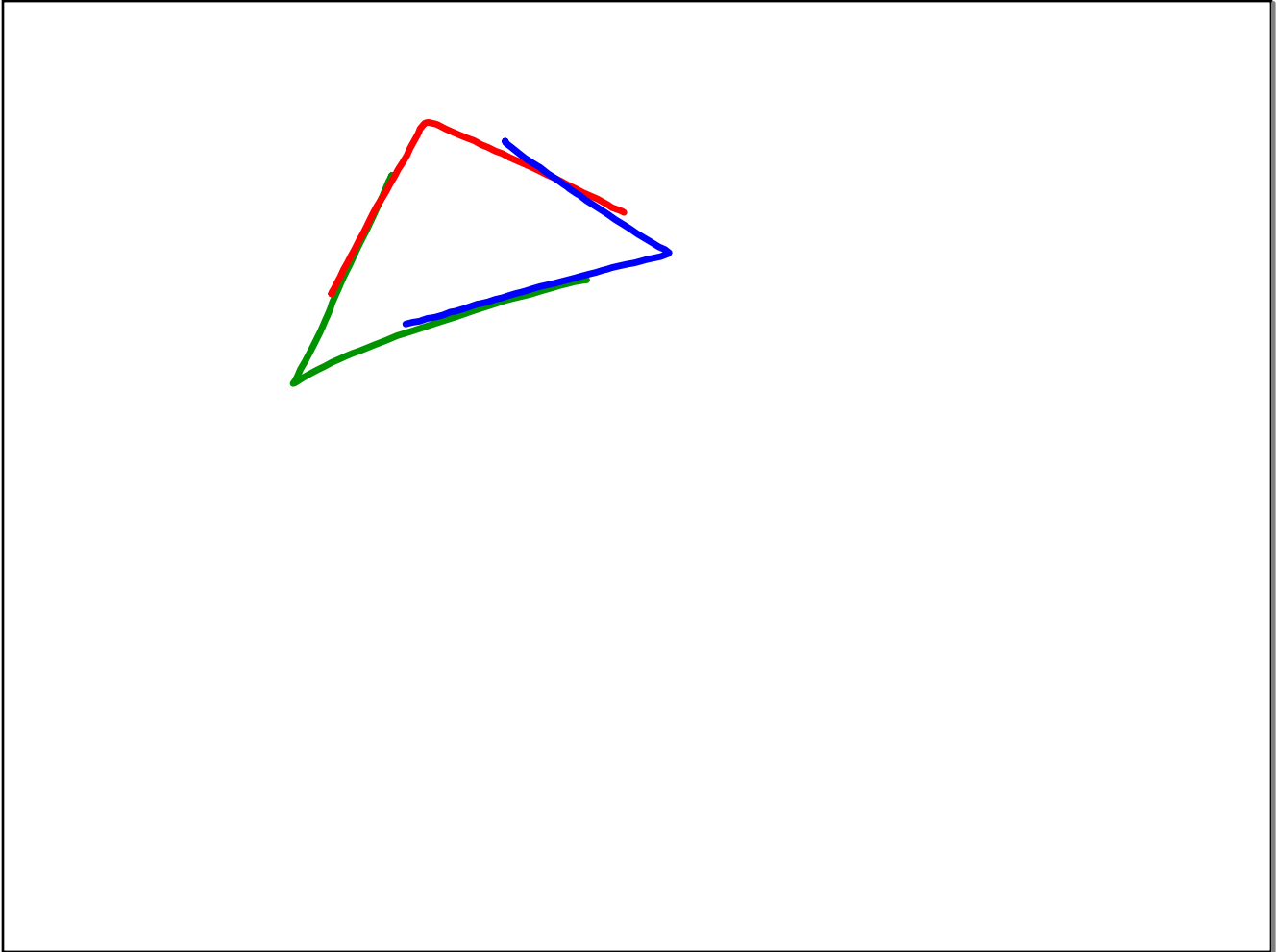
Activities 1-3

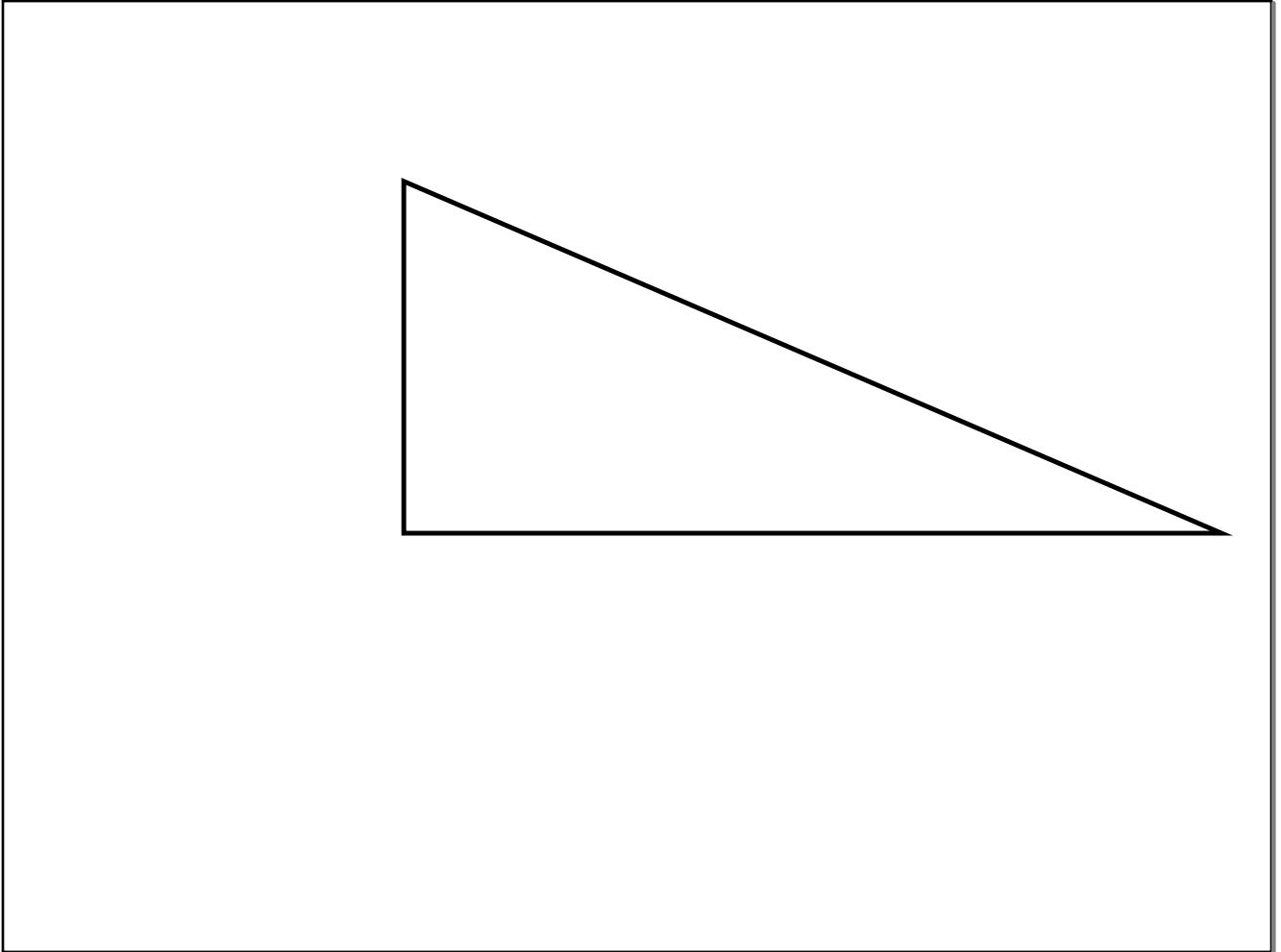
Answer questions as you
finish each activity

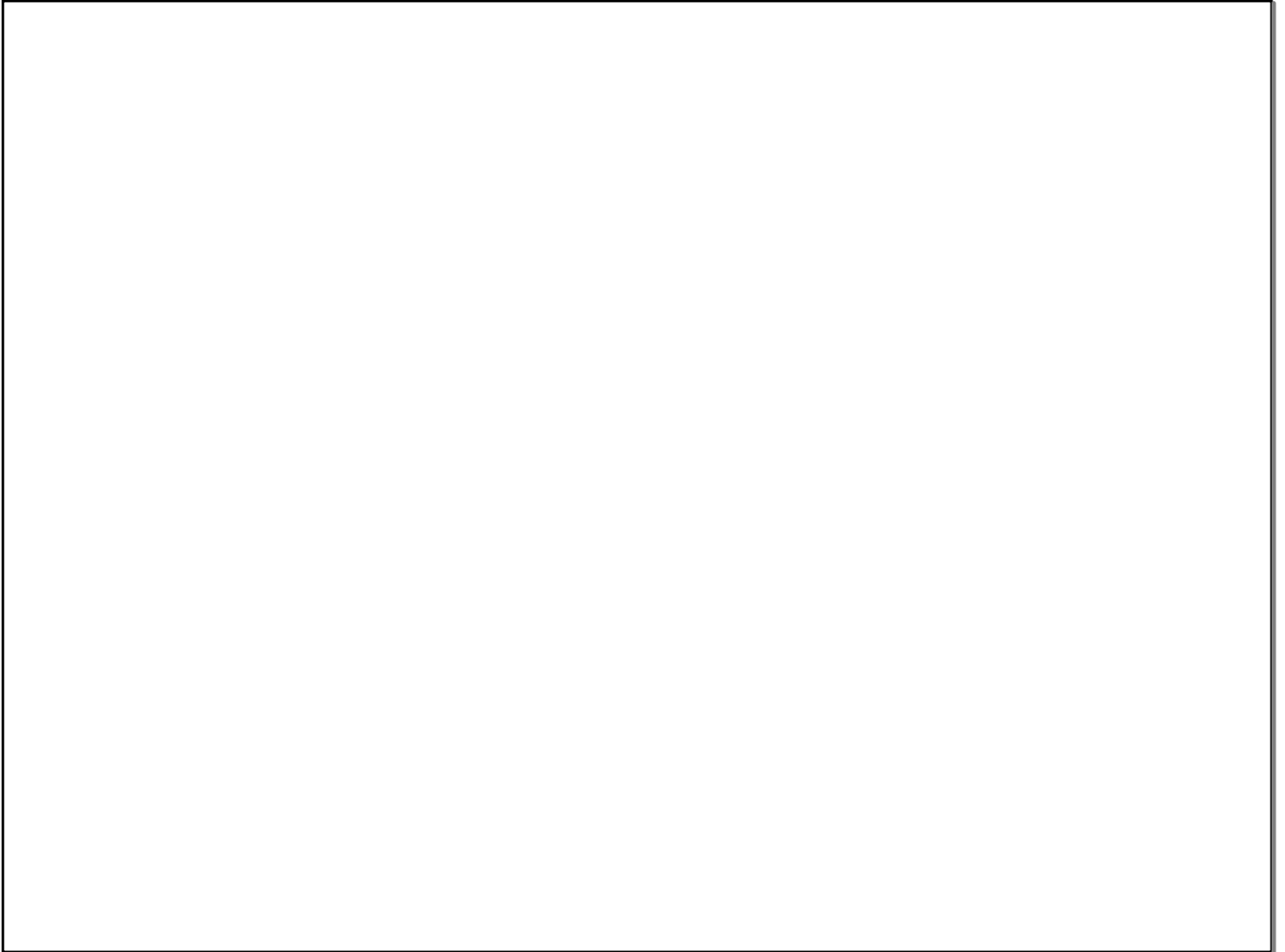
(omit 10)

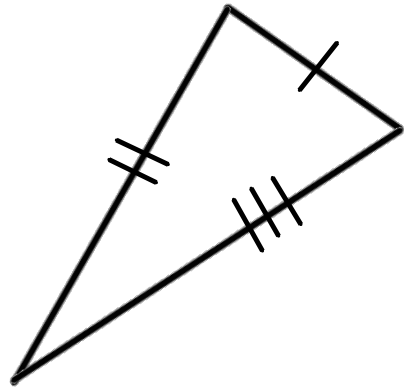
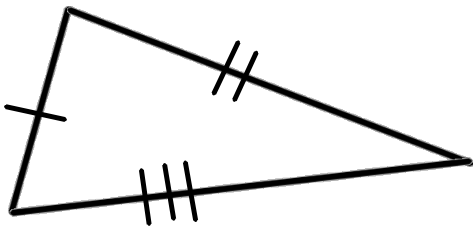
draw ^{original} \triangle on regular paper

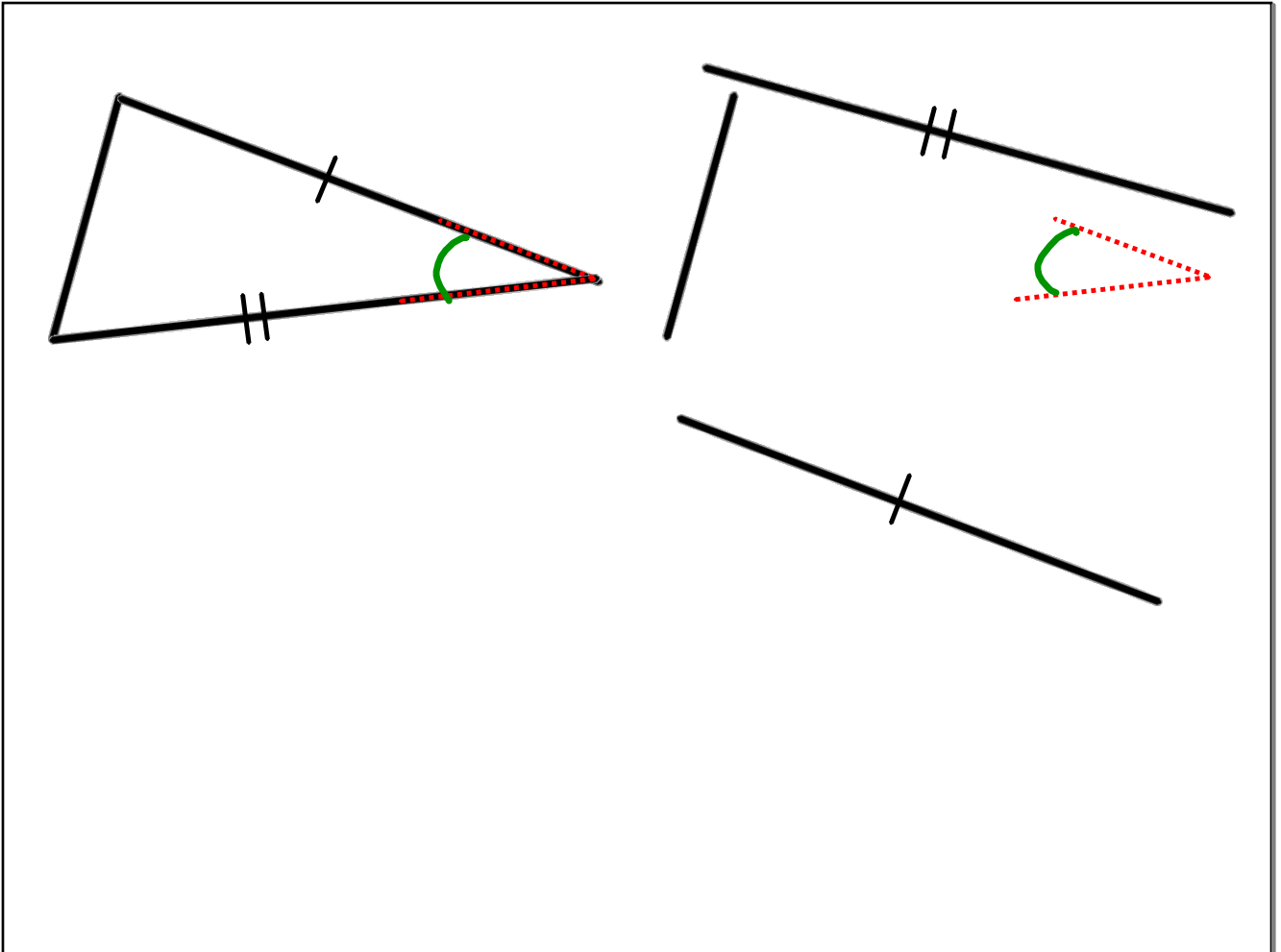


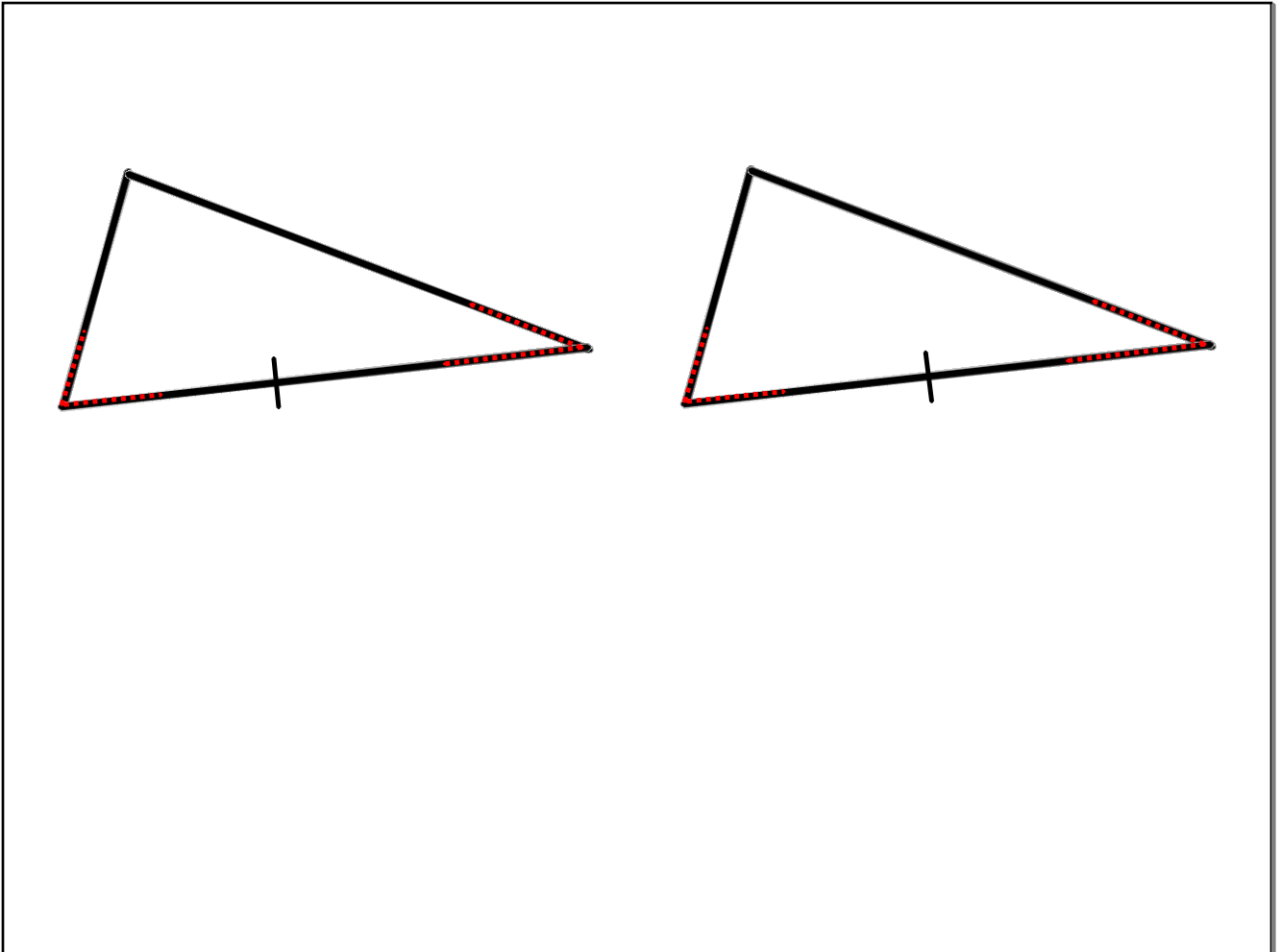






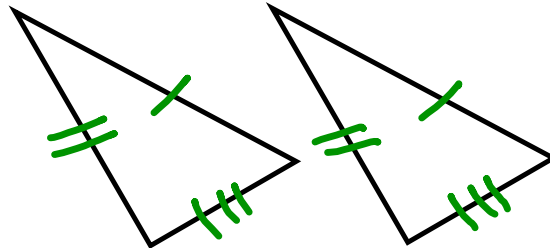




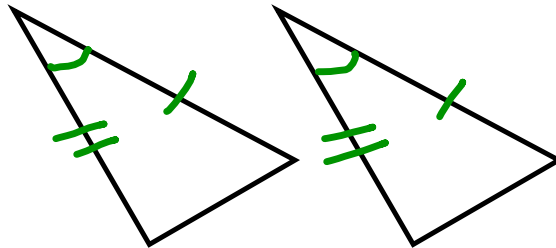


Showing that triangles are congruent

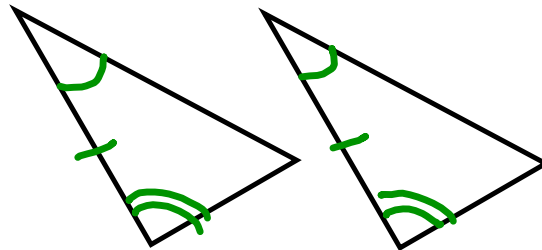
Side-Side-Side
(SSS)

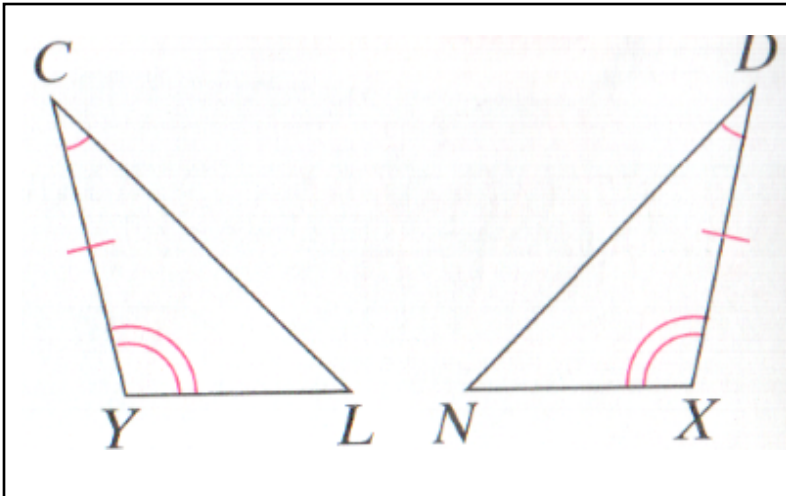


Side-Angle-Side
(SAS)

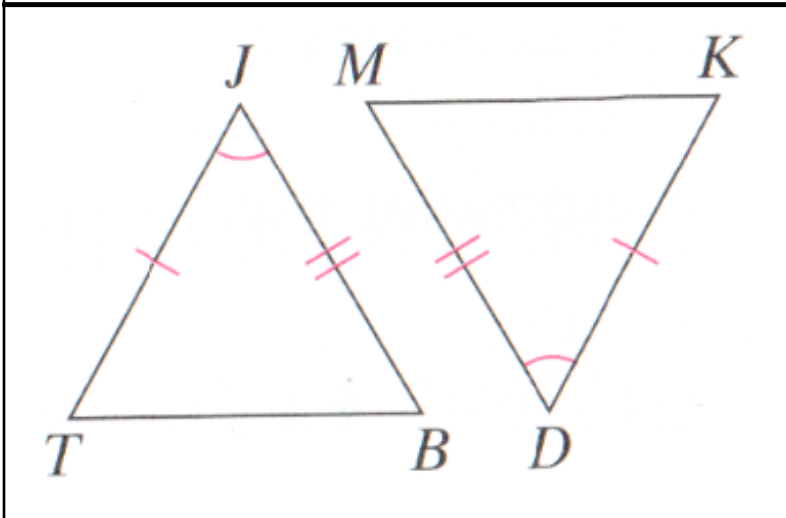


Angle-Side-Angle
(ASA)

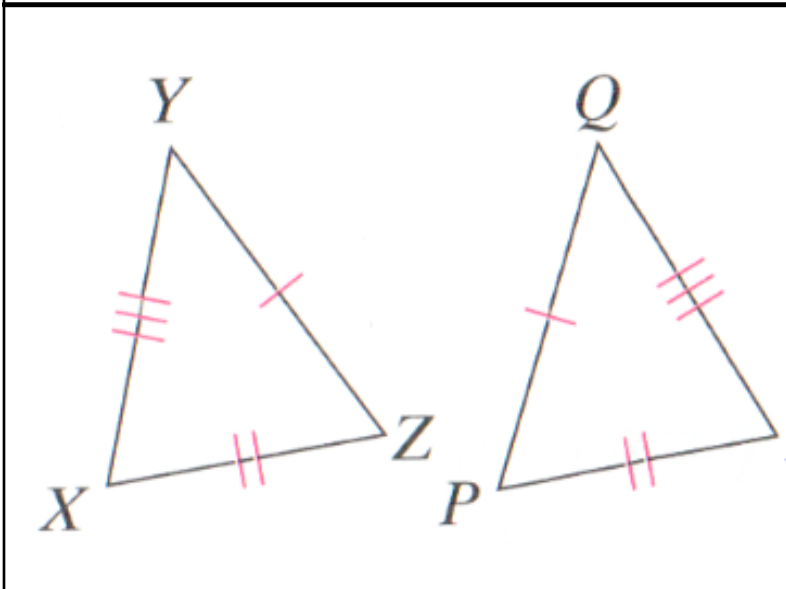




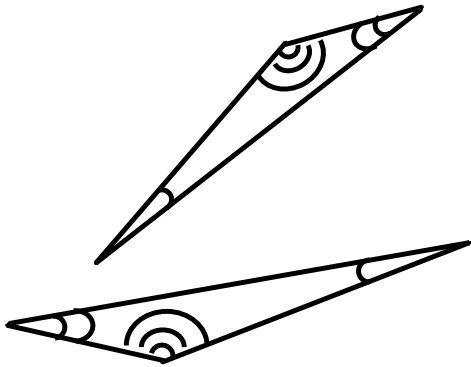
yes
ASA



yes
SAS



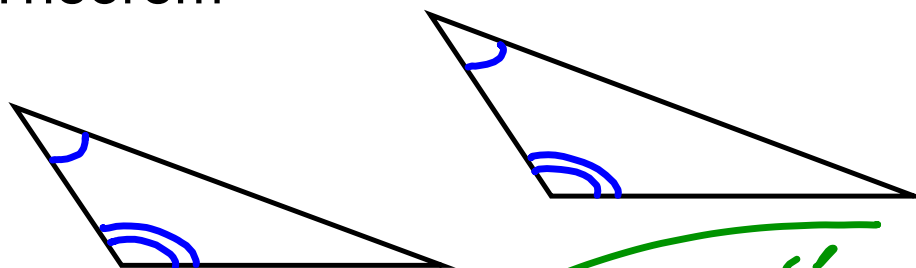
yes
SSS



What can we say about the triangles?

they are similar

AA Theorem



they are similar

