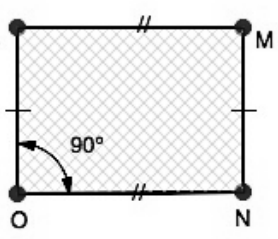
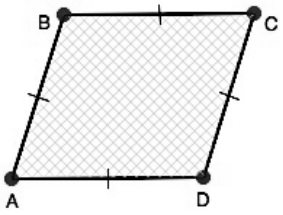
Ready, Set, Go!

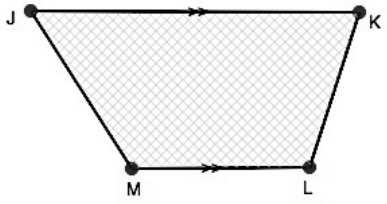
Ready

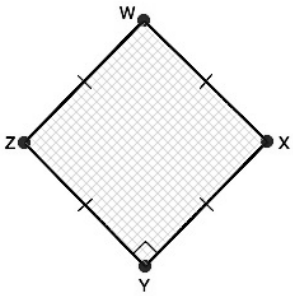
Topic: Special quadrilaterals

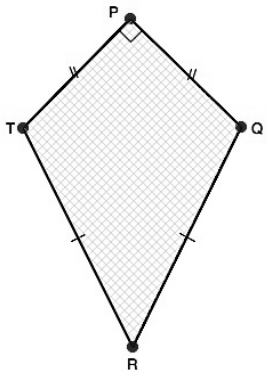
Identify each quadrilateral as a trapezoid, parallelogram, rectangle, rhombus, square, or none of these. List ALL that apply.

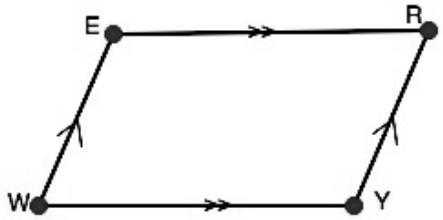
1. 

2. 

3. 

4. 

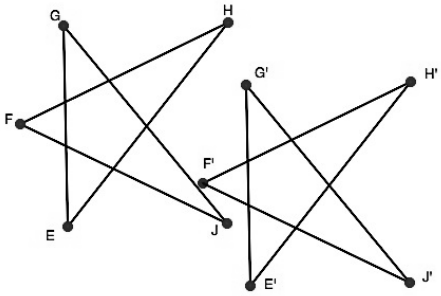
5. 

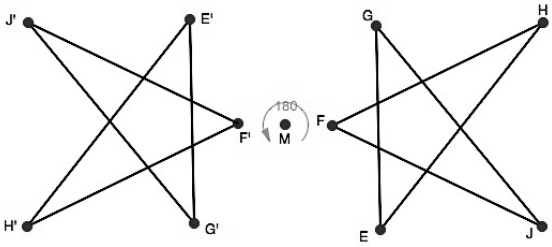
6. 

Set

7. Verify the parallel postulates below by naming the line segments in the pre-image and its image that are still parallel. Use correct mathematical notation.

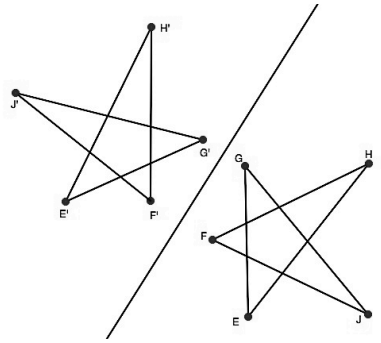
a. After a translation, corresponding line segments in an image and its pre-image are always parallel or lie along the same line.





b. After a rotation of 180°, corresponding line segments in a pre- image and its image are parallel or lie on the same line.

c. After a reflection, line segments in the pre-mage that are parallel to the line of reflection will be parallel to the corresponding line segments in the image.

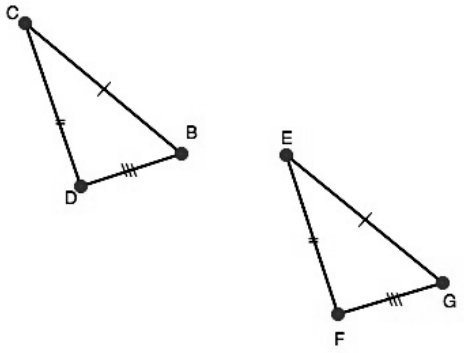


Go

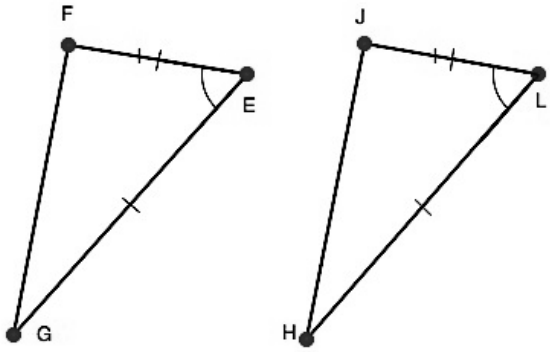
Topic: Identifying congruence patterns in triangles

For each pair of triangles write a congruence statement and justify your statement by identifying the congruence pattern you used. Then justify that the triangles are congruent by connecting corresponding vertices of the pre-image and image with line segments.
How should those line segments look?

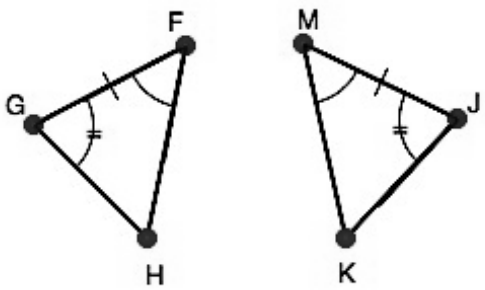
8.



9.



10.



11.