



Transformations

Geometry

8

9/28/2015

ESSENTIAL QUESTION:

How do we move points, lines, & shapes on a coordinate grid?

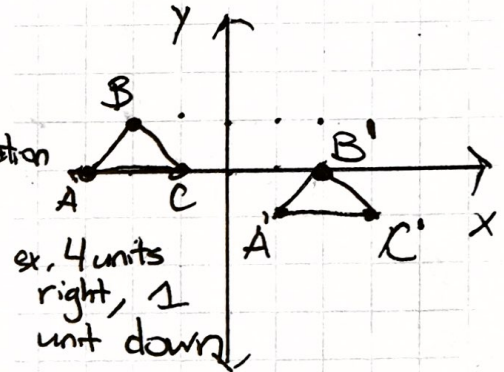
QUESTIONS:

NOTES:

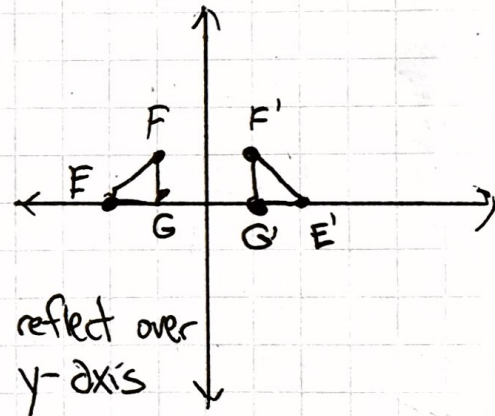
Transformation - general term for 4 specific ways to move a shape, point, or line.

~~Transformation~~

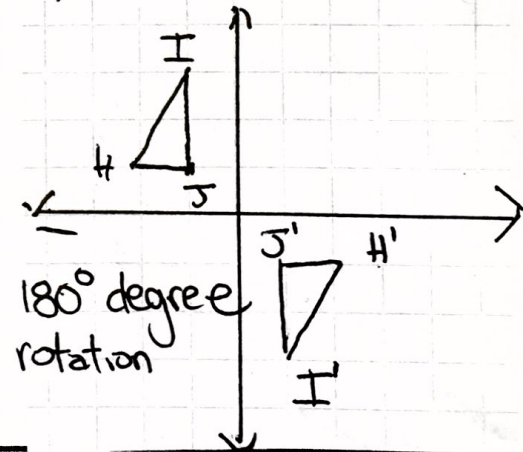
Translation - a transformation that preserves the size, shape, & orientation, **SLIDE**



Reflection - a transform. that preserves the size & shape of a figure across a line of reflection **FLIP or Mirror**



Rotation - a transformation that preserves size & shape while turning a figure about a fixed point



SUMMARY:

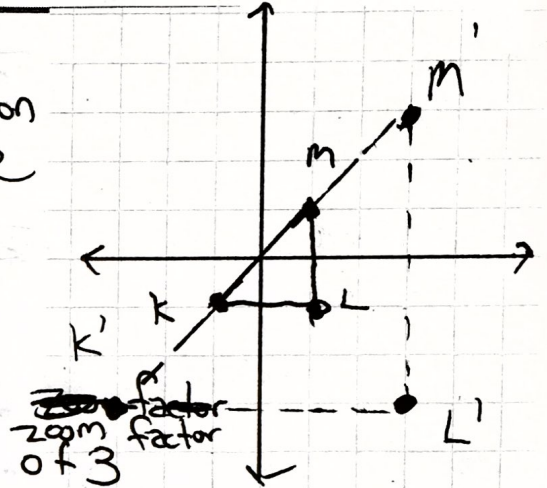


ESSENTIAL QUESTION:

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Dilation - transformation which make a figure similar to the original, ~~shrinking~~ or enlarging



Prime Notation
 $\Delta ABC \rightarrow \Delta A'B'C'$
 (A Prime)

SUMMARY: