

Name: Key

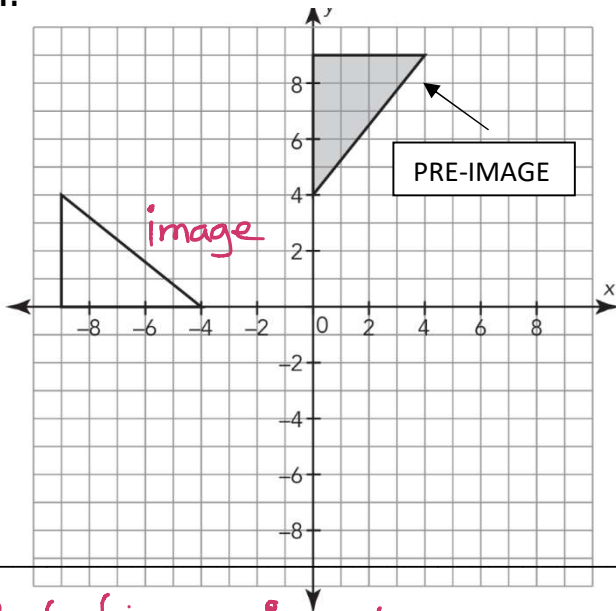
Date: _____

Period: A B C D E F

Transformations Review (from M1-123---M1-124)

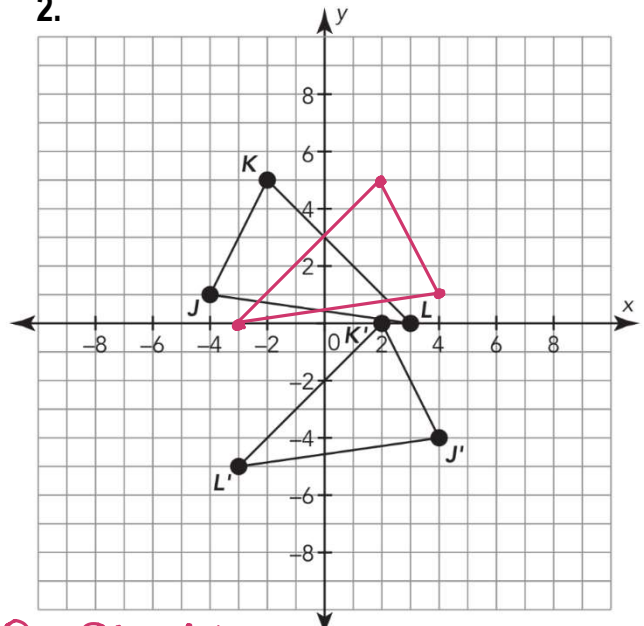
REVIEW: Describe a sequence of transformations that exhibits the congruence between each pair of figures.

1.



Rotation 90° counterclockwise

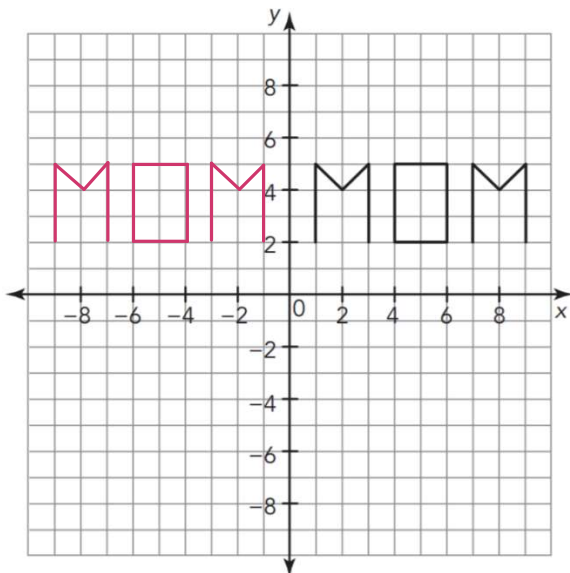
2.



Reflection over y-axis

Translation down 5 units

3. Use what you know about reflections to answer each question. Reflect the word MOM across the y-axis. Is it still a word?



4. The coordinates of the vertices of a hexagon are given. Write the coordinates of the hexagon reflected across the x-axis and across the y-axis.

Pre-Image	Reflection (over x-axis)	Reflection (over y-axis)
A (1, 6)	$A'(1, -6)$	$A''(-1, 6)$
B (3, 4)	$B'(3, -4)$	$B''(-3, 4)$
C (5, 6)	$C'(5, -6)$	$C''(-5, 6)$
D (5, 4)	$D'(5, -4)$	$D''(-5, 4)$
E (3, 2)	$E'(3, -2)$	$E''(-3, 2)$
F (1, 4)	$F'(1, -4)$	$F''(-1, 4)$