

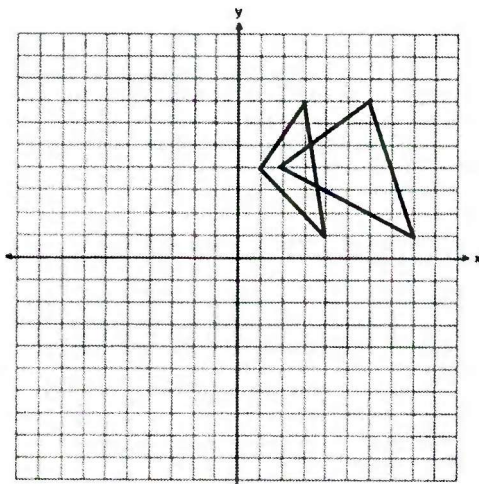
Name Schlansky
Mr. Schlansky

Date _____
Geometry

Identifying Vertical/Horizontal Stretches and Dilations

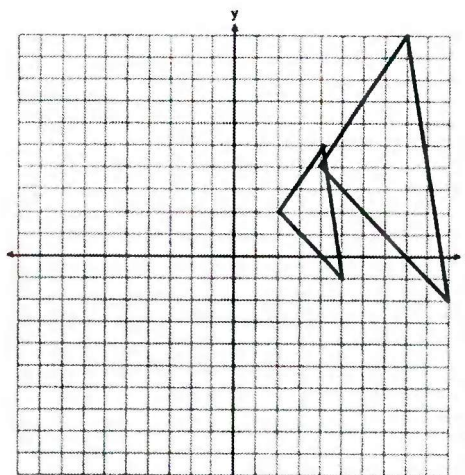
Identify whether each of the following was a dilation, vertical stretch, or horizontal stretch and state the rule.

1.



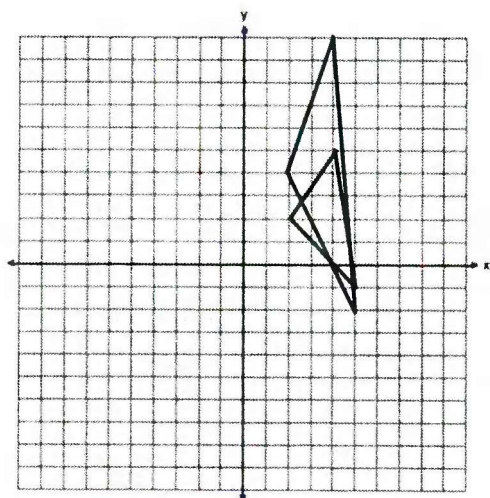
horizontal stretch

2.



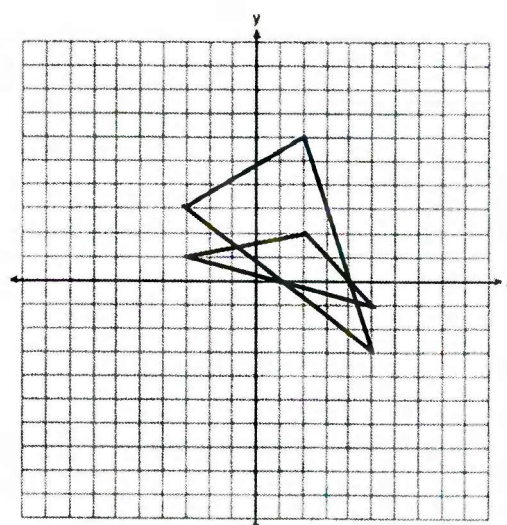
dilation

3.



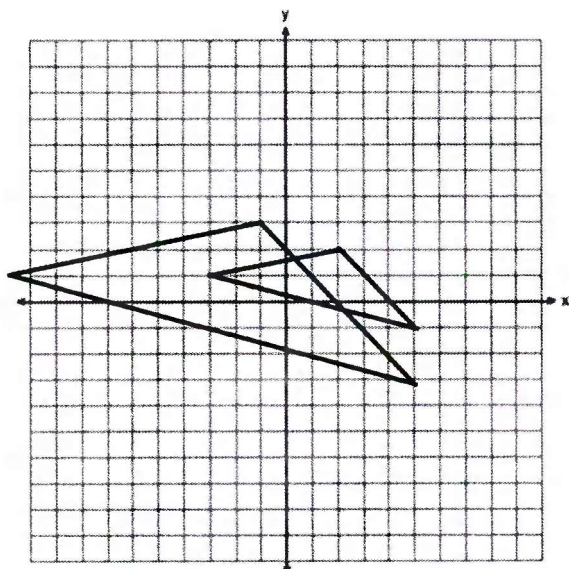
vertical stretch

4.



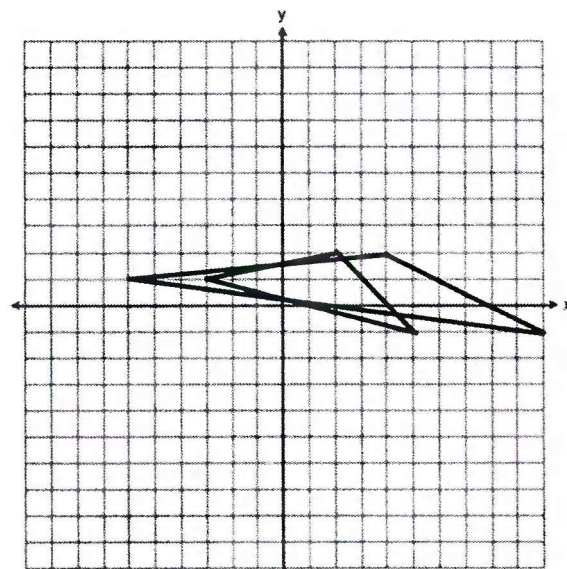
vertical stretch

5.



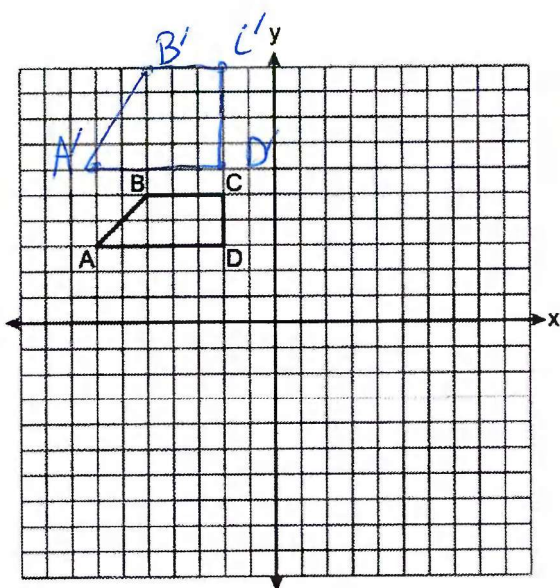
dilation

6.



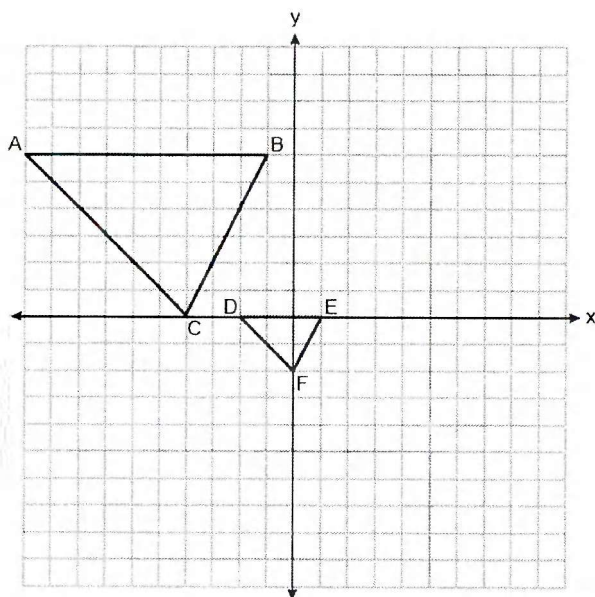
horizontal stretch

7. Trapezoid $ABCD$ is graphed on the set of axes below. Trapezoid $A'B'C'D'$, whose vertices are $A'(-7, 6)$, $B'(-5, 10)$, $C'(-2, 10)$, and $D'(-2, 6)$ is the image of trapezoid $ABCD$. What transformation maps trapezoid $ABCD$ on trapezoid $A'B'C'D'$?



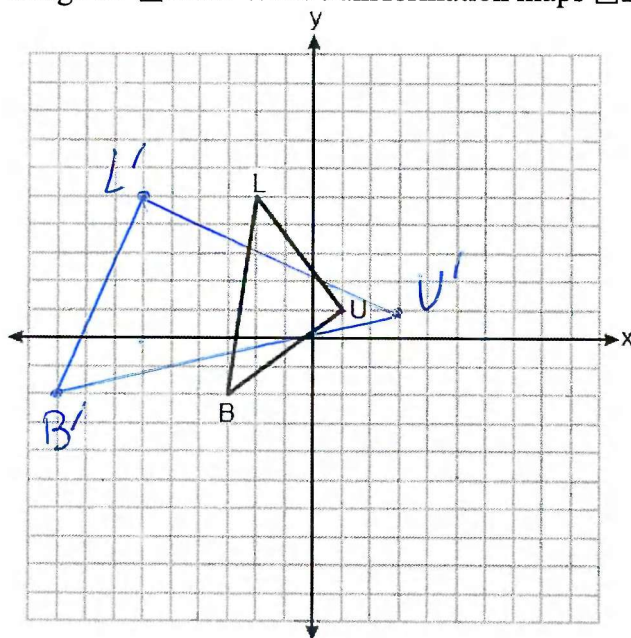
Vertical stretch

8. On the set of axes below, what transformation maps $\triangle DEF$ onto $\triangle ABC$?



Dilation

9. On the set of axes below, $\triangle BLU$ has vertices with coordinates $B(-3, -2)$, $L(-2, 5)$, and $U(1, 1)$. $\triangle B'L'U'$ whose vertices are $B'(-9, -2)$, $L'(-6, 5)$, and $U'(3, 1)$ is the image of $\triangle BLU$. What transformation maps $\triangle BLU$ onto $\triangle B'L'U'$?



horizontal stretch