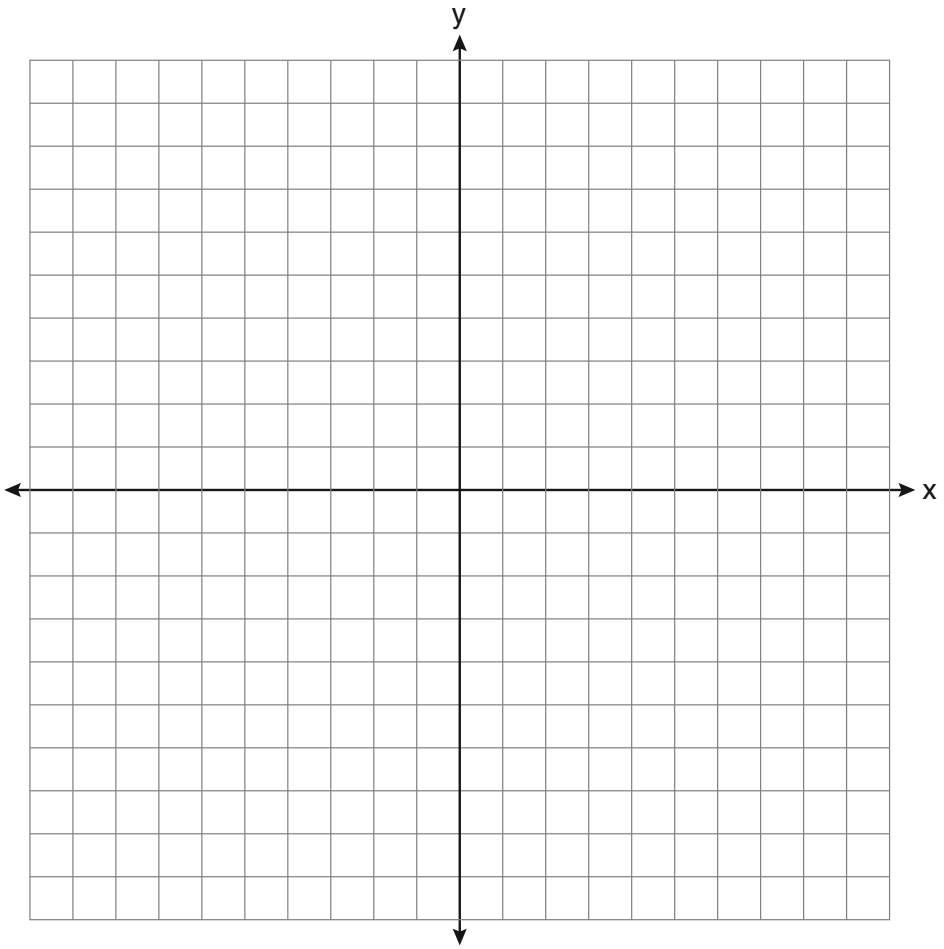
BECA / Huson & Shewmaker / Geometry Name:
14 February 2017

Homework

1. Triangle ABC has the vertices $A(-3,-2)$, $B(-1,0)$, and $C(-1,-4)$. Find the coordinates of $\Delta A''B''C''$, the image of ΔABC under the composite transformation $D_2 \circ R_{90^\circ}$. Graph and label all three triangles.

Which of the two separate transformations is an isometry?



2.

30 Triangle ABC has vertices $A(-2,2)$, $B(-1,-3)$, and $C(4,0)$. Find the coordinates of the vertices of $\triangle A'B'C'$, the image of $\triangle ABC$ after the transformation $r_{x\text{-axis}}$.
[The use of the grid below is optional.]