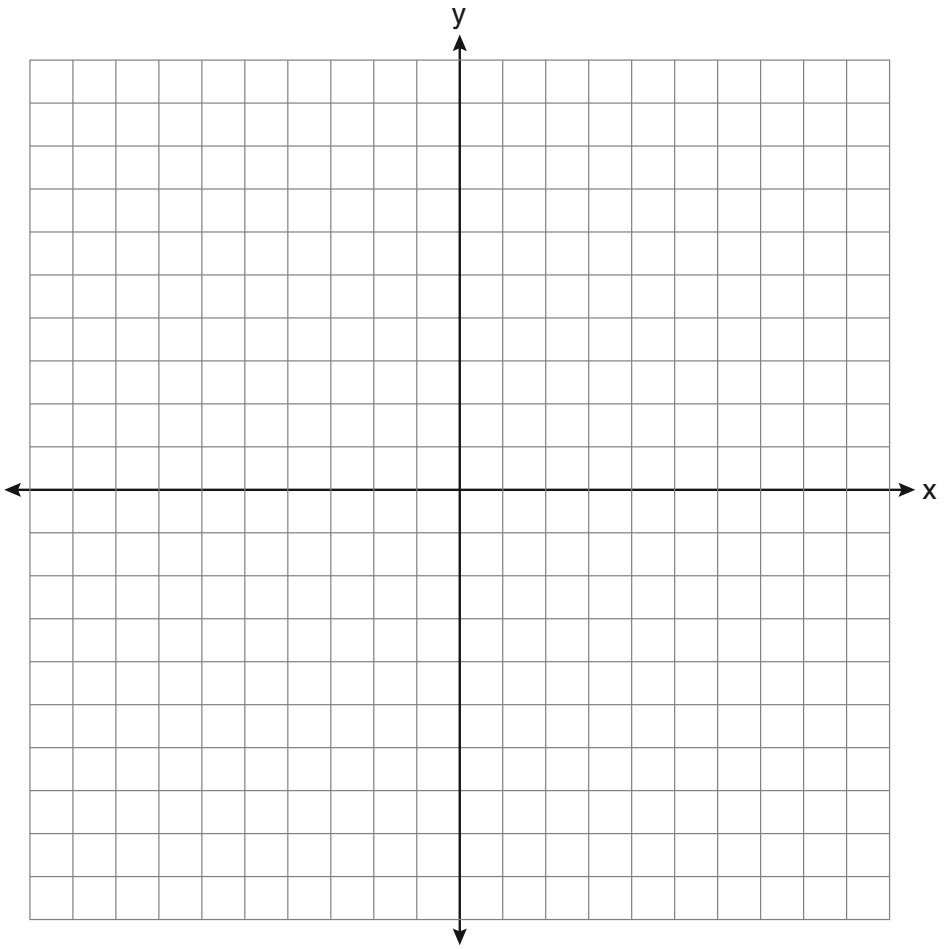
BECA / Huson & Shewmaker / Geometry Name:
13 February 2017

Homework

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

Which of the two separate transformations is an isometry?



2.

The coordinates of the vertices of $\triangle ABC$ are $A(1,3)$, $B(-2,2)$, and $C(0,-2)$. On the grid below, graph and label $\triangle A''B''C''$, the result of the composite transformation $D_2 \circ T_{3,-2}$. State the coordinates of A'', B'', and C''.