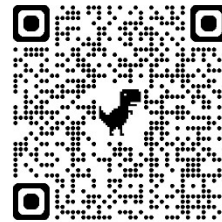


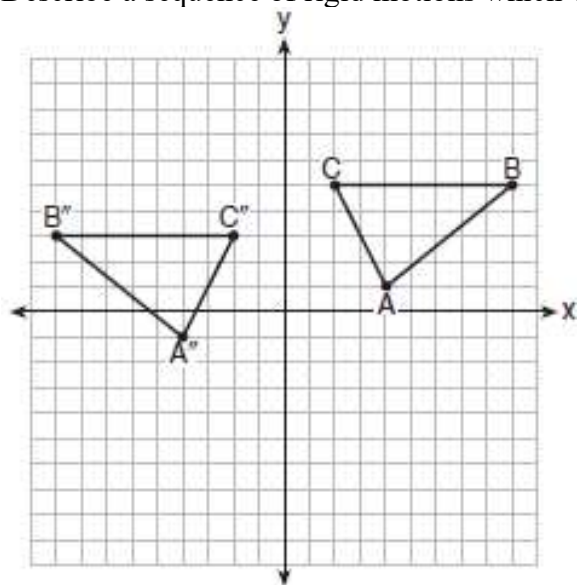
Name _____
Mr. Schlansky

Date _____
Geometry

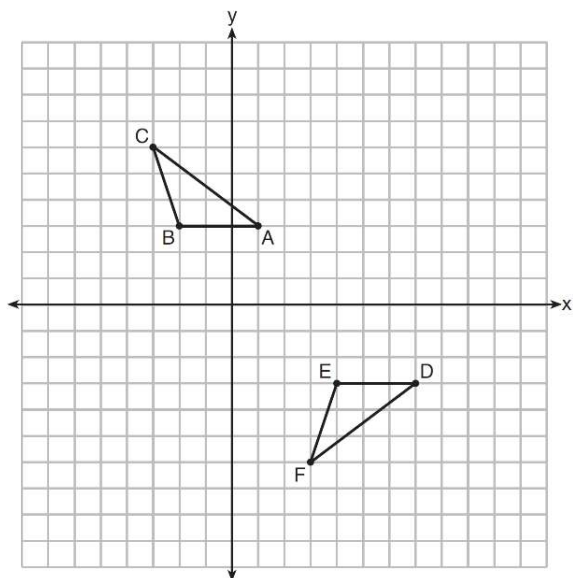


Identifying Sequences of Rigid Motions (Open Response)

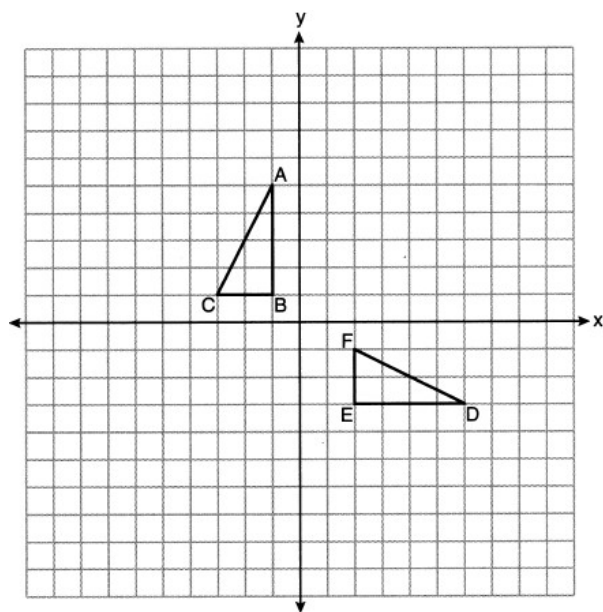
1. The graph below shows $\triangle ABC$ and its image, $\triangle A''B''C''$.
Describe a sequence of rigid motions which would map $\triangle ABC$ onto $\triangle A''B''C''$.



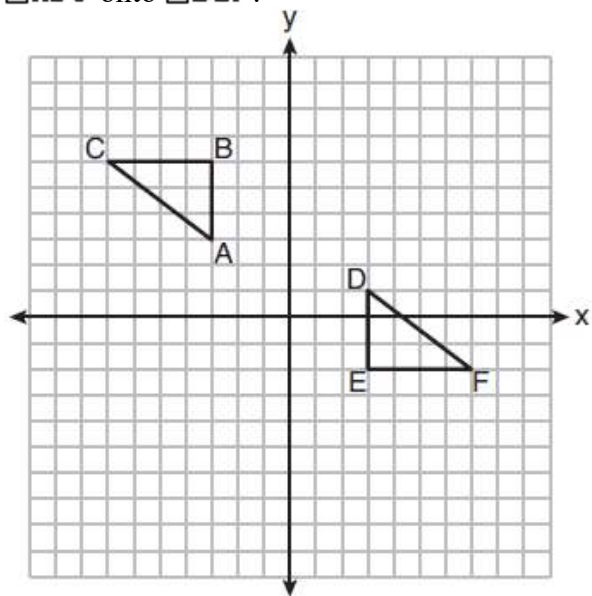
2. Describe a sequence of transformations that will map $\triangle ABC$ onto $\triangle DEF$ as shown below.



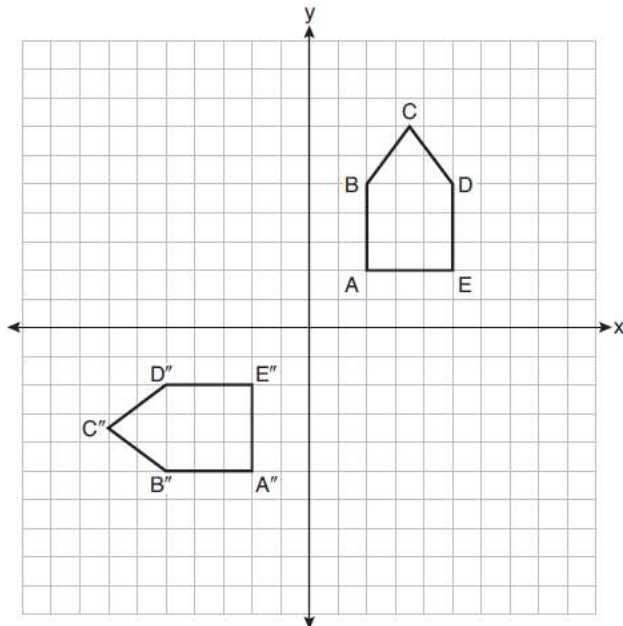
3. On the set of axes below, $\triangle ABC$ and $\triangle DEF$ are graphed. Describe a sequence of rigid motions that would map $\triangle ABC$ onto $\triangle DEF$.



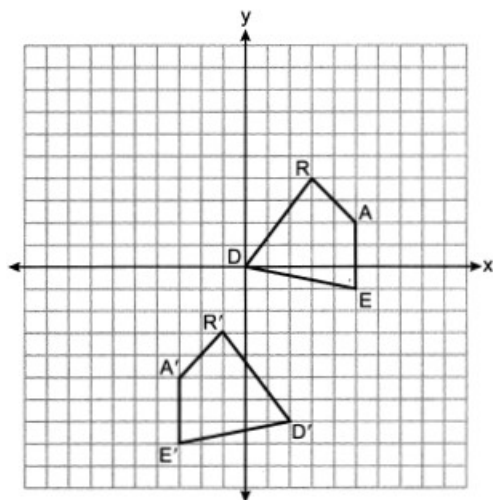
4. On the set of axes below, $\triangle ABC \cong \triangle DEF$. Describe a sequence of rigid motions that maps $\triangle ABC$ onto $\triangle DEF$.



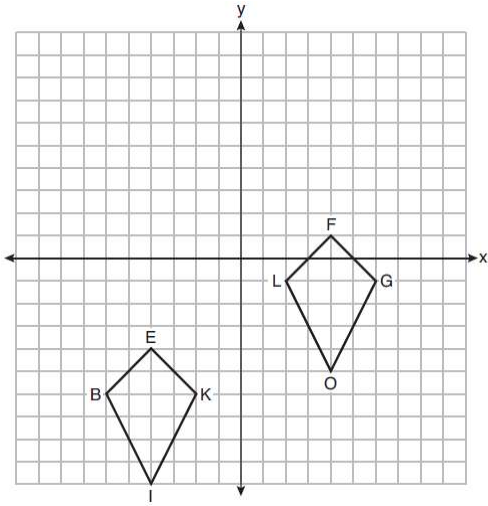
5. On the set of axes below, pentagon $ABCDE$ is congruent to $A''B''C''D''E''$. Describe a sequence of rigid motions that maps pentagon $ABCDE$ onto $A''B''C''D''E''$.



6. Quadrilateral $DEAR$ and its image, quadrilateral $D'E'A'R'$, are graphed on the set of axes below. Describe a sequence of transformations that maps quadrilateral $DEAR$ onto quadrilateral $D'E'A'R'$.



7. Quadrilaterals *BIKE* and *GOLF* are graphed on the set of axes below. Describe a sequence of transformations that maps quadrilateral *BIKE* onto quadrilateral *GOLF*.



8. Trapezoids *ABCD* and *A''B''C''D''* are graphed on the set of axes below. Describe a sequence of transformations that maps trapezoid *ABCD* onto trapezoid *A''B''C''D''*.

