9.3 Do Now: Transformations

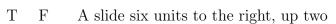
1. A transformation is applied to a triangle, $\triangle CAT \rightarrow \triangle C'A'T'$. Circle True or False to identify each transformation correctly represented below.

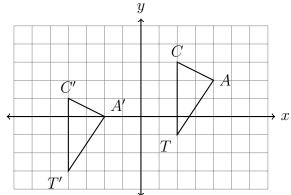
T F Translated six to the left, up two

T F Reflected across the y-axis

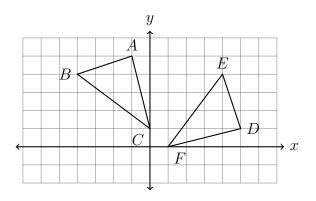
T F $(x,y) \to (x-6,y-2)$

T F Rotated 90° counterclockwise around the origin

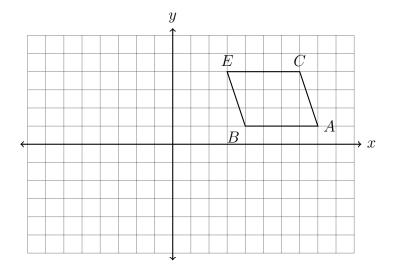




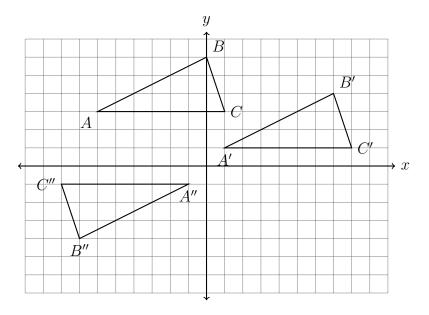
2. Determine and state the transformation mapping $\triangle ABC$ onto $\triangle DEF$. Also, make a mapping table of the coordinate pairs.



3. First reflect the trapezoid BECA across the x-axis, then move it left five and up two. Label the images B'E'C'A' and B''E''C''A''.



4. Two transformations have been applied to a triangle in the diagram below, $\triangle ABC \rightarrow \triangle A'B'C' \rightarrow \triangle A''B''C''$. Fully characterize each transformation.



5. The quadrilateral ROCK undergoes two transformations, shown below. Describe the sequence of transformations applied.

