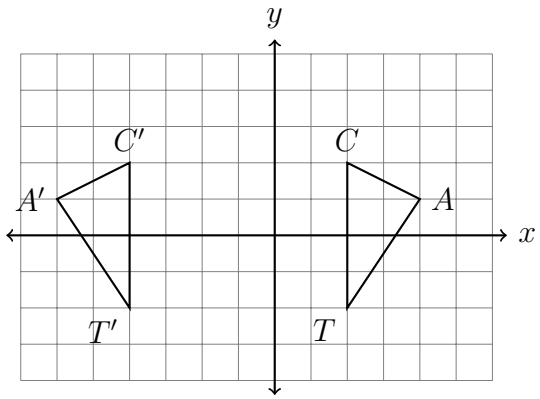
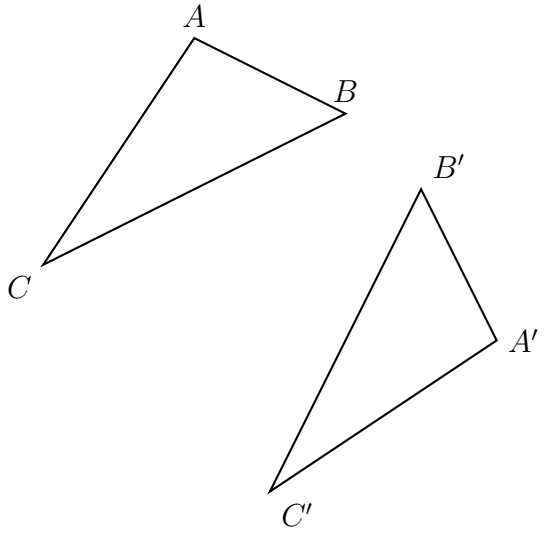
9.4b Do Now: Reflection across a line not an axis

1. Which of the following would map $\triangle CAT \to \triangle C'A'T'$?

T	F	Reflected across the y-axis
T	F	Translated six to the left, down zero
T	F	Reflected across the y-axis, then slid to the left two
T	F	$(x, y) \to (x - 6, y + 0)$
T	F	Rotated 90° counterclockwise around the origin
T	F	Reflected across the line $x = -1$

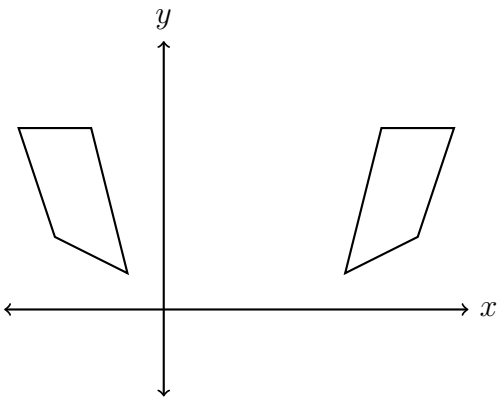


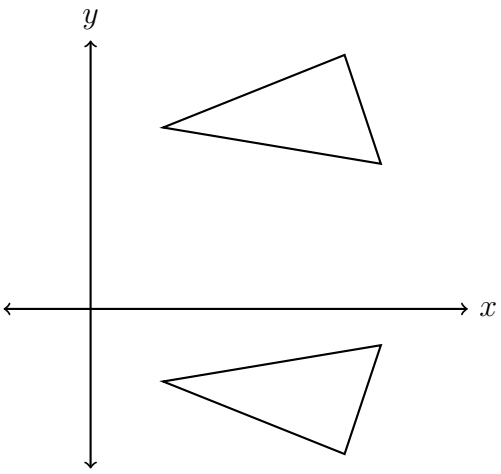
2. Draw the line of reflection used to map $\triangle ABC$ onto $\triangle A'B'C'$.



3. Draw the line of reflection for each diagram below.

2





4. Determine and state the sequence of transfromations applied to map $BECA$ to $B'E'C'A'$ and then to $B''E''C''A''$.