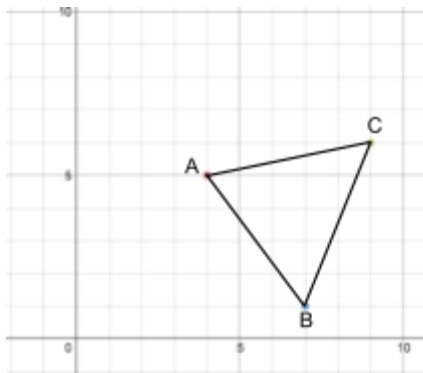
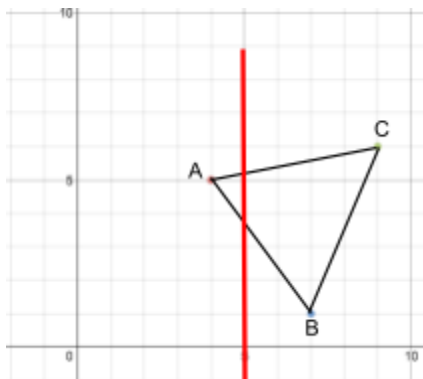


Example 2: Reflect the $\triangle ABC$ with vertices $A(4, 5)$, $B(7, 1)$ and $C(9, 6)$ over the line $x = 5$.

Step 1: Graph the original $\triangle ABC$

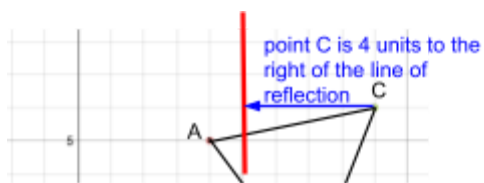


Step 2: Draw in your line of reflection $x = 5$

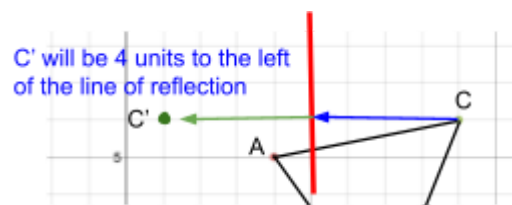


Step 3: Count from each point to the line of reflection. Then count the same number of units on the other side of the line of reflection.

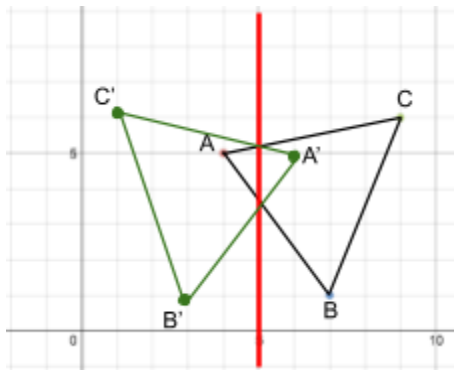
For example:



so



After all points are reflected, $\Delta A'B'C'$ looks like this:



$A'(6, 5)$, $B'(3, 1)$ and $C'(1, 6)$