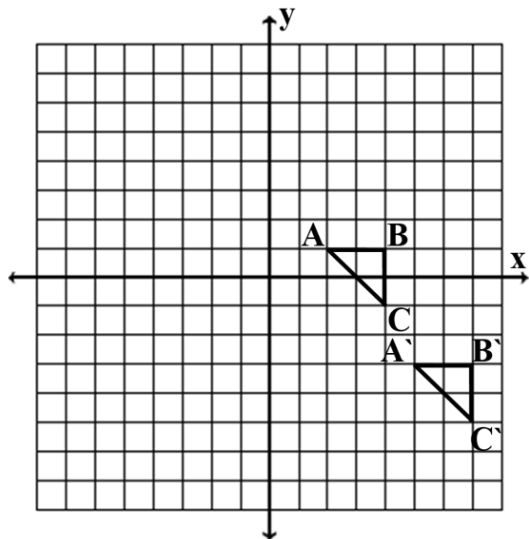


# Mastery Check

- a) Write the rule for the translation of  $\triangle ABC$  to  $\triangle A'B'C'$ .



$$(x,y) \rightarrow (x \quad , y \quad )$$

- b)  $\triangle ABC$  has vertices  $A(1, -2)$ ,  $B(3, 5)$ , and  $C(4,0)$ . Apply the translation  $(x,y) \rightarrow (x + 1, y - 2)$  and state the vertices of  $\triangle A'B'C'$ .

$$A'(\quad , \quad )$$

$$B'(\quad , \quad )$$

$$C'(\quad , \quad )$$