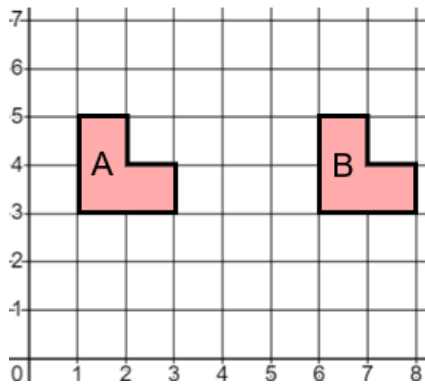


Describing Translations

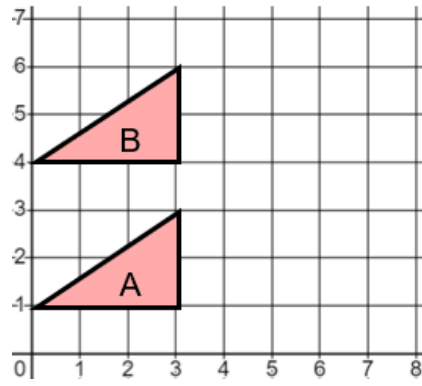
Describe fully the single transformation which maps shape A to shape B

(a)



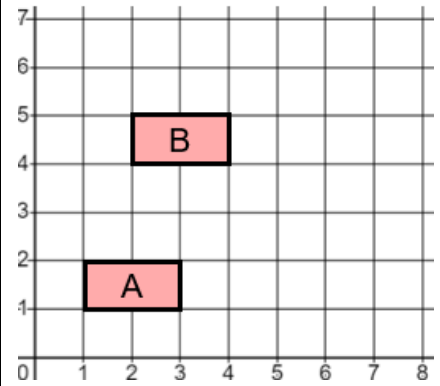
*Translation by
vector $\begin{pmatrix} 5 \\ 0 \end{pmatrix}$*

(b)



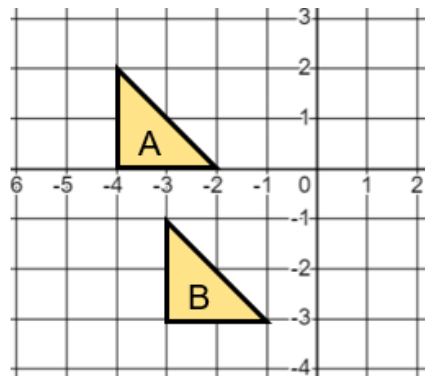
*Translation by
vector $\begin{pmatrix} 0 \\ 3 \end{pmatrix}$*

(c)



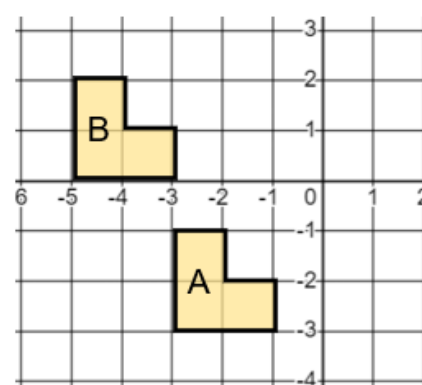
*Translation by
vector $\begin{pmatrix} 1 \\ 3 \end{pmatrix}$*

(d)



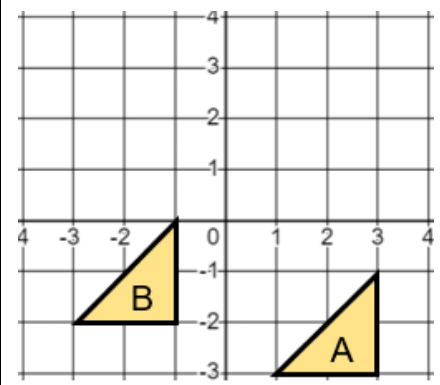
*Translation by
vector $\begin{pmatrix} 1 \\ -3 \end{pmatrix}$*

(e)



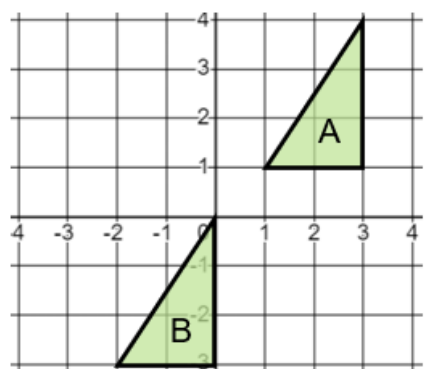
*Translation by
vector $\begin{pmatrix} -2 \\ 3 \end{pmatrix}$*

(f)



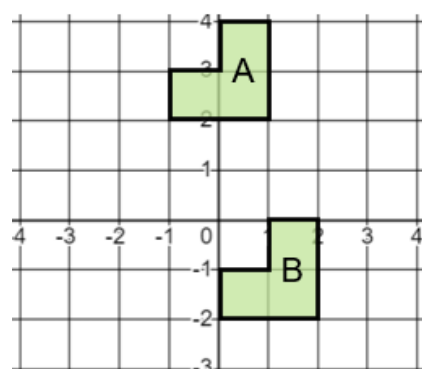
*Translation by
vector $\begin{pmatrix} -4 \\ 1 \end{pmatrix}$*

(g)



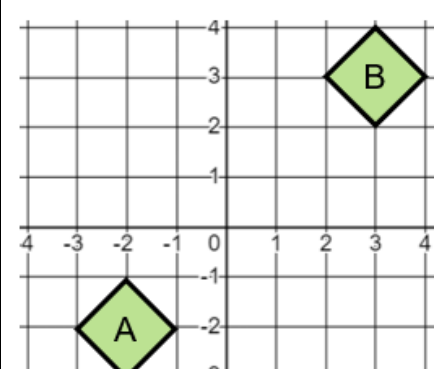
*Translation by
vector $\begin{pmatrix} -3 \\ -4 \end{pmatrix}$*

(h)



*Translation by
vector $\begin{pmatrix} 1 \\ -4 \end{pmatrix}$*

(i)



*Translation by
vector $\begin{pmatrix} 5 \\ 5 \end{pmatrix}$*