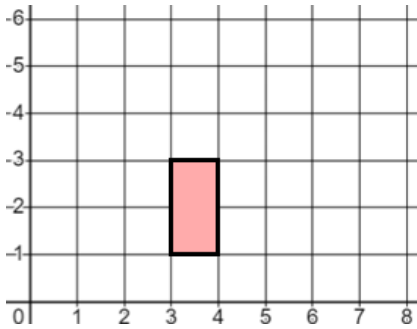


Translating Shapes

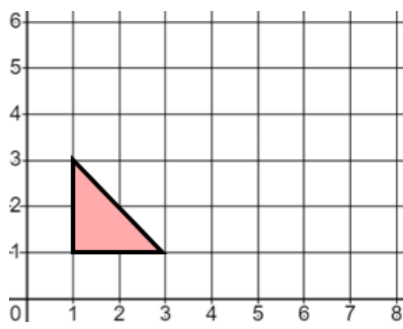
(a)

Translate the shape 3 units to the right.



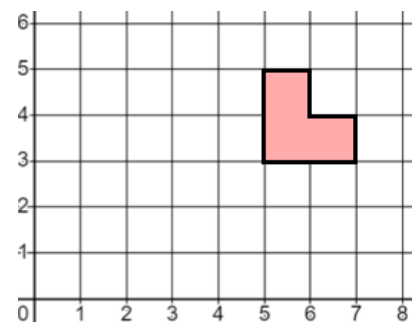
(b)

Translate the shape 4 units right and 1 unit up.



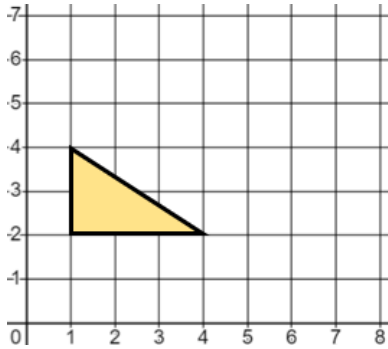
(c)

Translate the shape 3 units left and 2 units down.



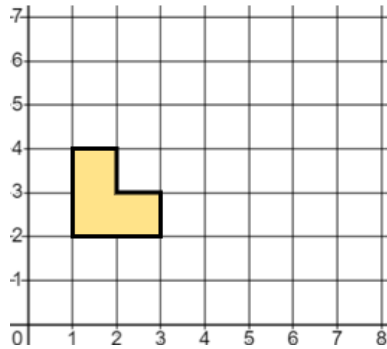
(d)

Translate the shape by $\begin{pmatrix} 4 \\ 2 \end{pmatrix}$



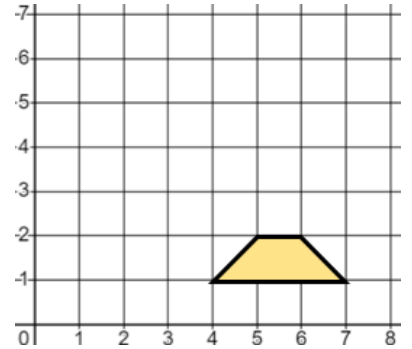
(e)

Translate the shape by $\begin{pmatrix} 3 \\ 1 \end{pmatrix}$



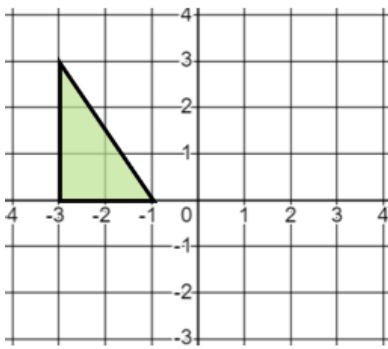
(f)

Translate the shape by $\begin{pmatrix} -2 \\ 2 \end{pmatrix}$



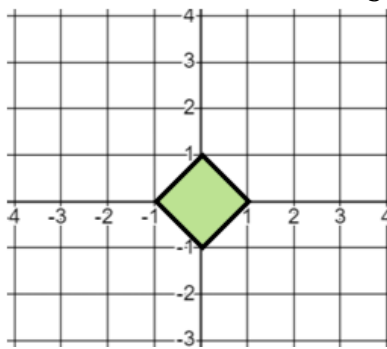
(g)

Translate the shape by $\begin{pmatrix} 4 \\ -1 \end{pmatrix}$



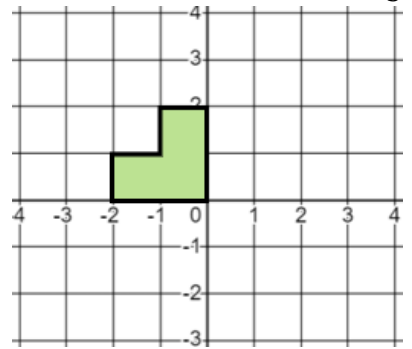
(h)

Translate the shape by $\begin{pmatrix} -1 \\ 3 \end{pmatrix}$



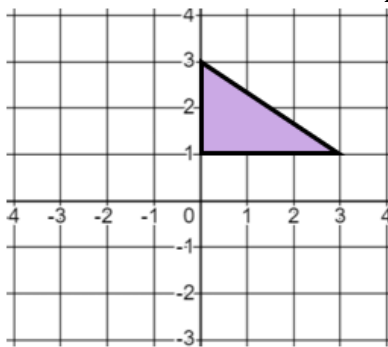
(i)

Translate the shape by $\begin{pmatrix} 2 \\ -3 \end{pmatrix}$



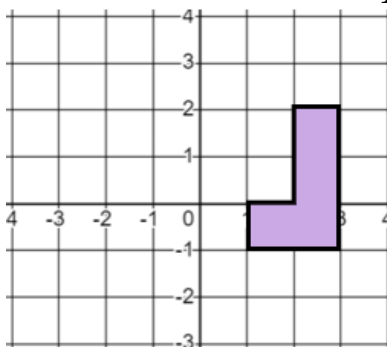
(j)

Translate the shape by $\begin{pmatrix} -2 \\ -4 \end{pmatrix}$



(k)

Translate the shape by $\begin{pmatrix} -5 \\ -1 \end{pmatrix}$



(l)

Translate the shape by $\begin{pmatrix} 0.5 \\ -3 \end{pmatrix}$

