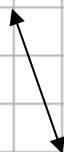
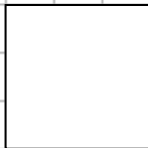


Routine Translations #2

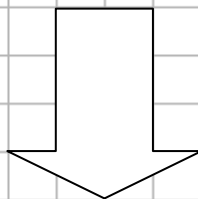
Translate $\begin{pmatrix} 3 \\ 1 \end{pmatrix}$



Translate $\begin{pmatrix} 2 \\ 1 \end{pmatrix}$



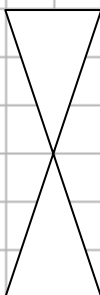
Translate $\begin{pmatrix} 5 \\ 0 \end{pmatrix}$



Translate $\begin{pmatrix} 1 \\ -1 \end{pmatrix}$



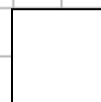
Translate $\begin{pmatrix} -2 \\ 1 \end{pmatrix}$



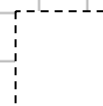
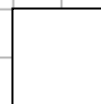
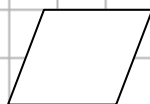
Translate $\begin{pmatrix} -1 \\ -2 \end{pmatrix}$



Translate $\begin{pmatrix} 0 \\ 0 \end{pmatrix}$

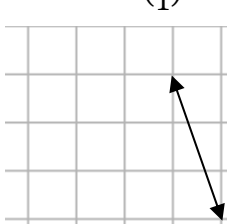


Describe the translations below using vectors

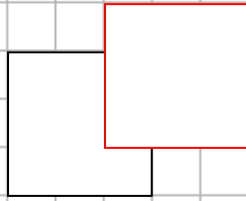


Answers: Routine Translations #2

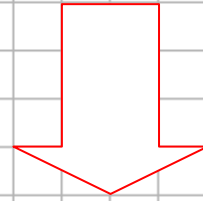
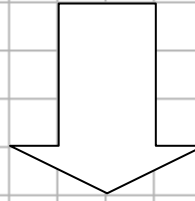
Translate $\begin{pmatrix} 3 \\ 1 \end{pmatrix}$



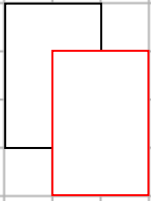
Translate $\begin{pmatrix} 2 \\ 1 \end{pmatrix}$



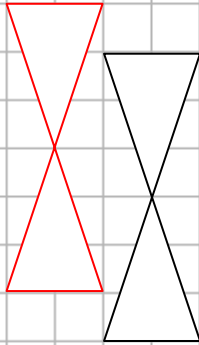
Translate $\begin{pmatrix} 5 \\ 0 \end{pmatrix}$



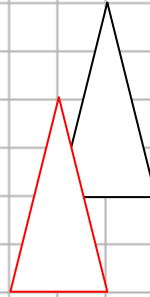
Translate $\begin{pmatrix} 1 \\ -1 \end{pmatrix}$



Translate $\begin{pmatrix} -2 \\ 1 \end{pmatrix}$



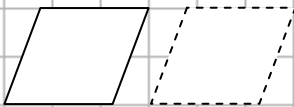
Translate $\begin{pmatrix} -1 \\ -2 \end{pmatrix}$



Translate $\begin{pmatrix} 0 \\ 0 \end{pmatrix}$



Describe the translations using vectors (solid to dotted)



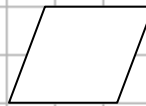
Translate $\begin{pmatrix} 3 \\ 0 \end{pmatrix}$



Translate $\begin{pmatrix} 0 \\ 4 \end{pmatrix}$



Translate $\begin{pmatrix} 2 \\ 4 \end{pmatrix}$



Translate $\begin{pmatrix} -1.5 \\ -3 \end{pmatrix}$

