

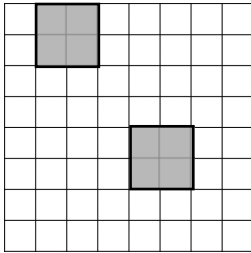


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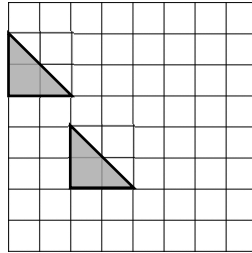


Translate the following shapes:

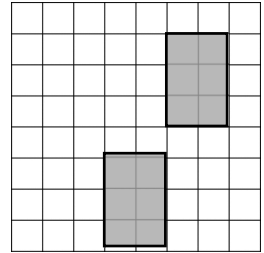
a) Right 3
Down 4



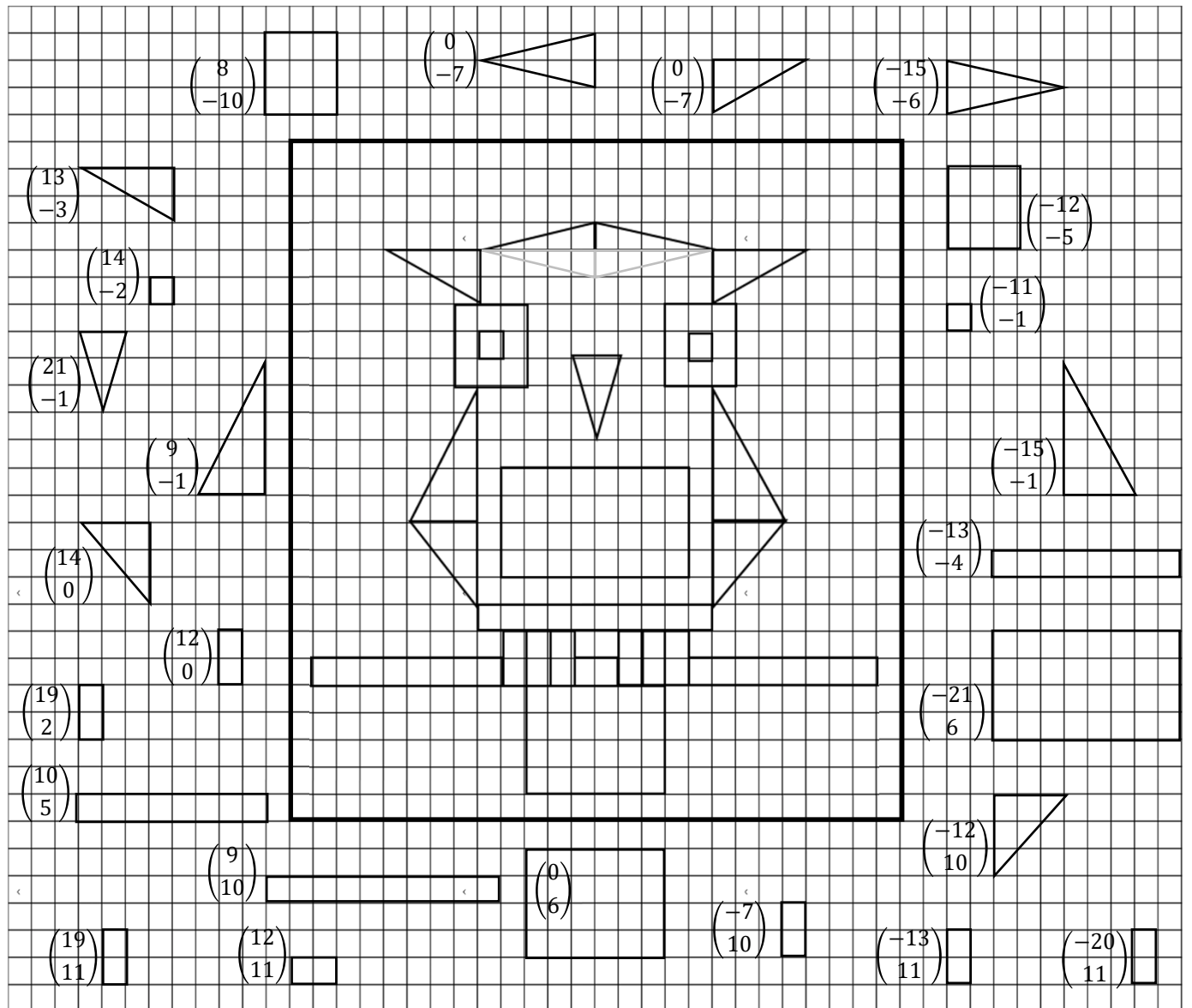
b) Left 2
Up 3



c) Left 2
Down 4



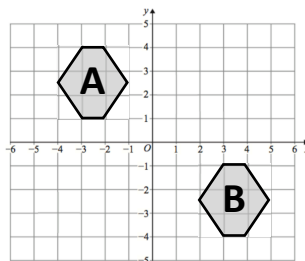
Translate the following shapes using the vectors provided:



Exam question:

Translate shape A by the vector $\begin{pmatrix} 6 \\ -5 \end{pmatrix}$

Label the shape with the letter B.

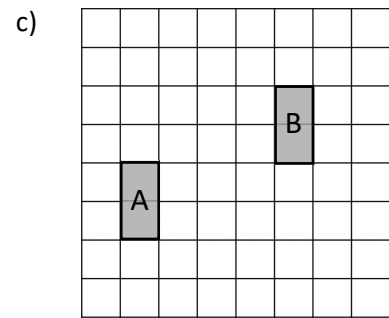
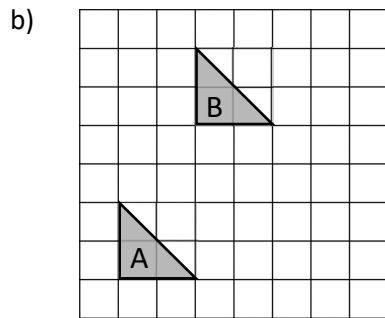
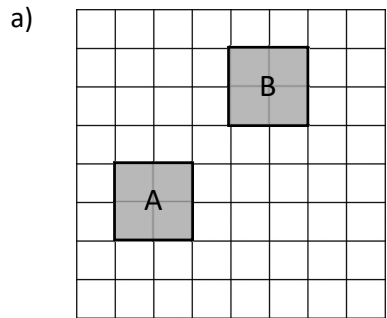




Name: _____



Describe the transformations of shape A to shape B:

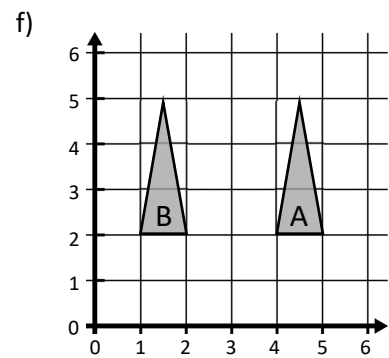
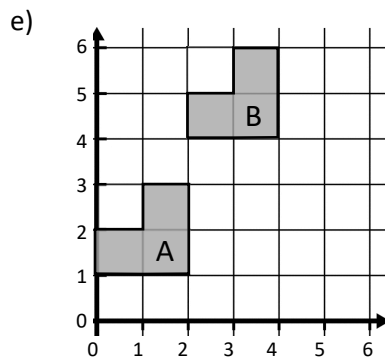
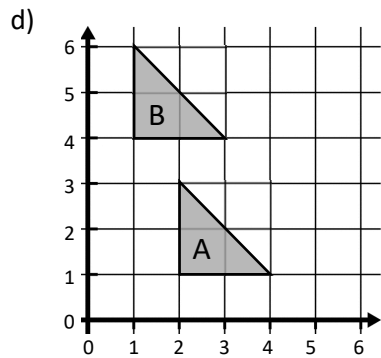


Translation by vector $\begin{pmatrix} 3 \\ 3 \end{pmatrix}$

Translation by vector $\begin{pmatrix} 2 \\ 4 \end{pmatrix}$

Translation by vector $\begin{pmatrix} 4 \\ 2 \end{pmatrix}$

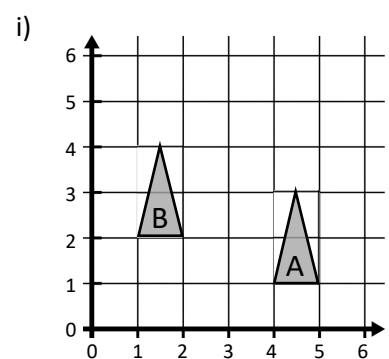
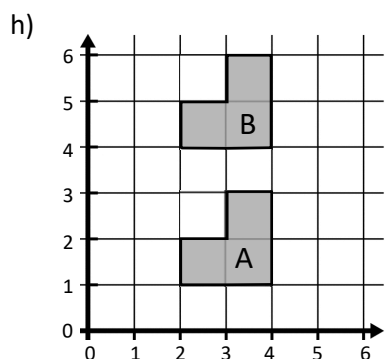
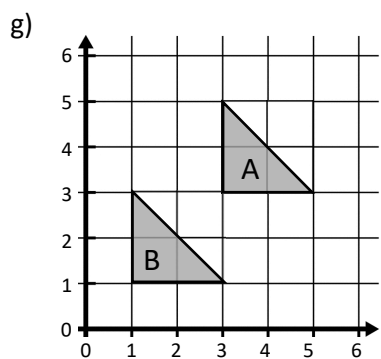
Describe the transformations of shape A to shape B using vector notation:



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

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

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



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

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

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

Exam question:

Fully describe the transformation that maps shape B onto shape A.

Translation by vector $\begin{pmatrix} 6 \\ -2 \end{pmatrix}$

