

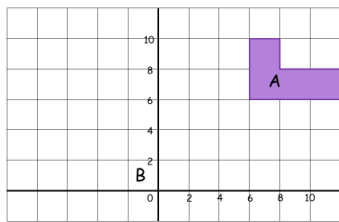
ACTION

RESPONSE

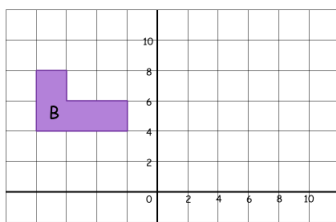
Fluency



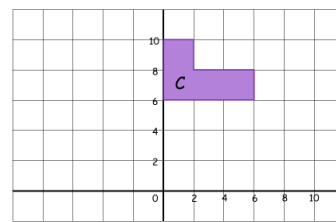
Translate shape A by the vector $\begin{pmatrix} -10 \\ -6 \end{pmatrix}$



Translate shape B by the vector $\begin{pmatrix} 4 \\ 0 \end{pmatrix}$



Translate shape C by the vector $\begin{pmatrix} 3 \\ -4 \end{pmatrix}$

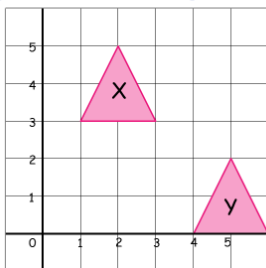


Reasoning



Describe the translation that maps triangle X onto triangle Y:

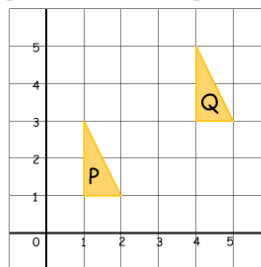
a) In words



b) As a vector

Describe the translation that moves triangle P onto triangle Q:

a) In words

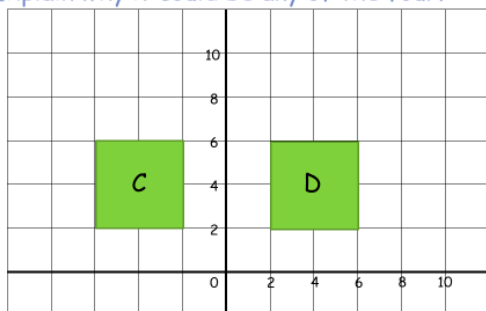


b) As a vector

Problem Solving



Shape C has been transformed to shape D. Describe four different transformations. Explain why it could be any of the four.



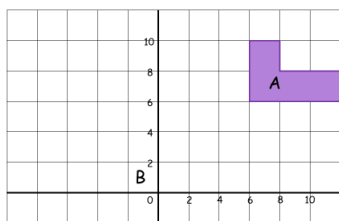
ACTION

RESPONSE

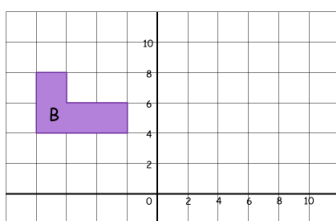
Fluency



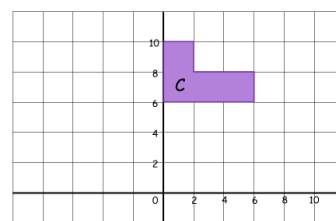
Translate shape A by the vector $\begin{pmatrix} -10 \\ -6 \end{pmatrix}$



Translate shape B by the vector $\begin{pmatrix} 4 \\ 0 \end{pmatrix}$



Translate shape C by the vector $\begin{pmatrix} 3 \\ -4 \end{pmatrix}$

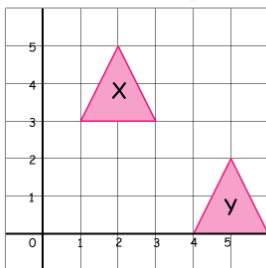


Reasoning



Describe the translation that maps triangle X onto triangle Y:

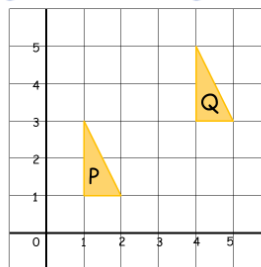
a) In words



b) As a vector

Describe the translation that moves triangle P onto triangle Q:

a) In words



b) As a vector

Problem Solving



Shape C has been transformed to shape D. Describe four different transformations. Explain why it could be any of the four.

