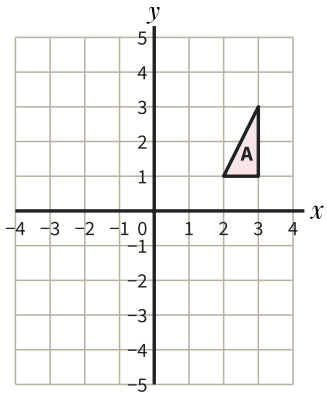
Combined transformations *lesson handout*

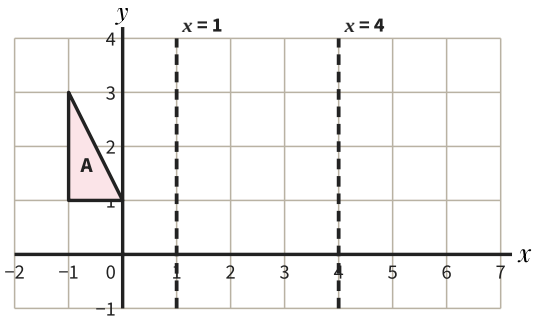
We do

Translate shape A by $\begin{pmatrix} -4 \\ 1 \end{pmatrix}$ to give B. Reflect B in the x axis to give C.



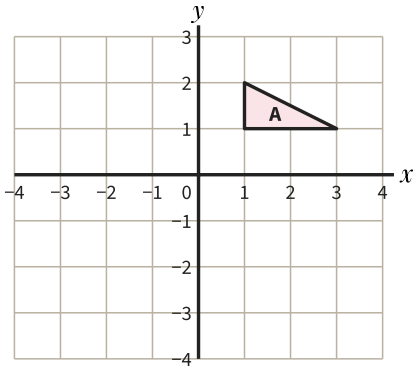
You do

Reflect shape A in the line $x = 1$ to give B. Reflect B in the line $x = 4$ to give C.



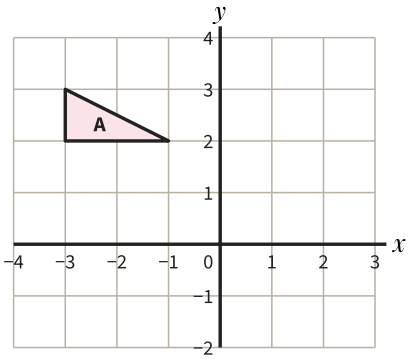
You do

Rotate shape A 90° clockwise about (0, 0) to give B.
Rotate B 90° clockwise about (0, 0) to give C.



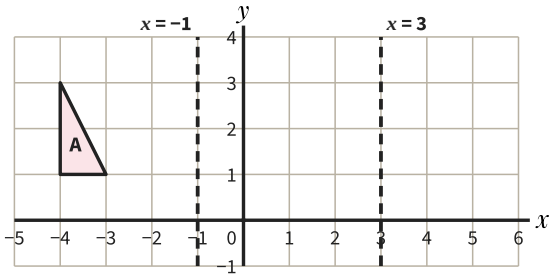
We do

Translate A by $\begin{pmatrix} 3 \\ 1 \end{pmatrix}$ to give B, then B by $\begin{pmatrix} 1 \\ -4 \end{pmatrix}$ to give C.
Describe fully the single transformation from A to C.



You do

Reflect A in the line $x = -1$ to give B, then B in the line $x = 3$ to give C. Describe fully the single transformation from A to C.



You do

Rotate A 90° anticlockwise about (0, 0) to give B, then B the same way to give C. Describe fully the single transformation from A to C.

