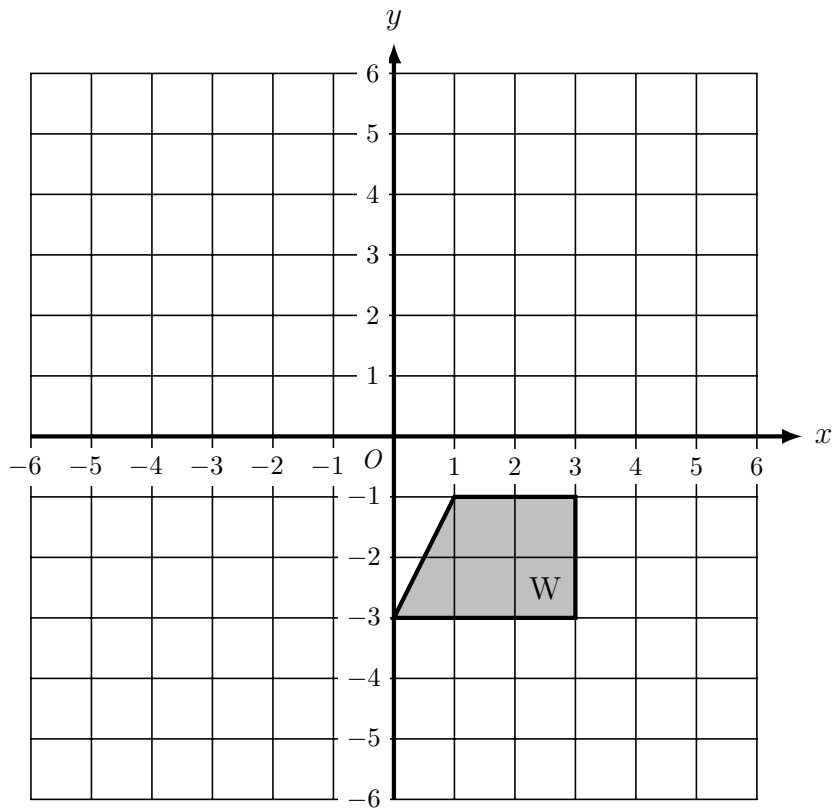
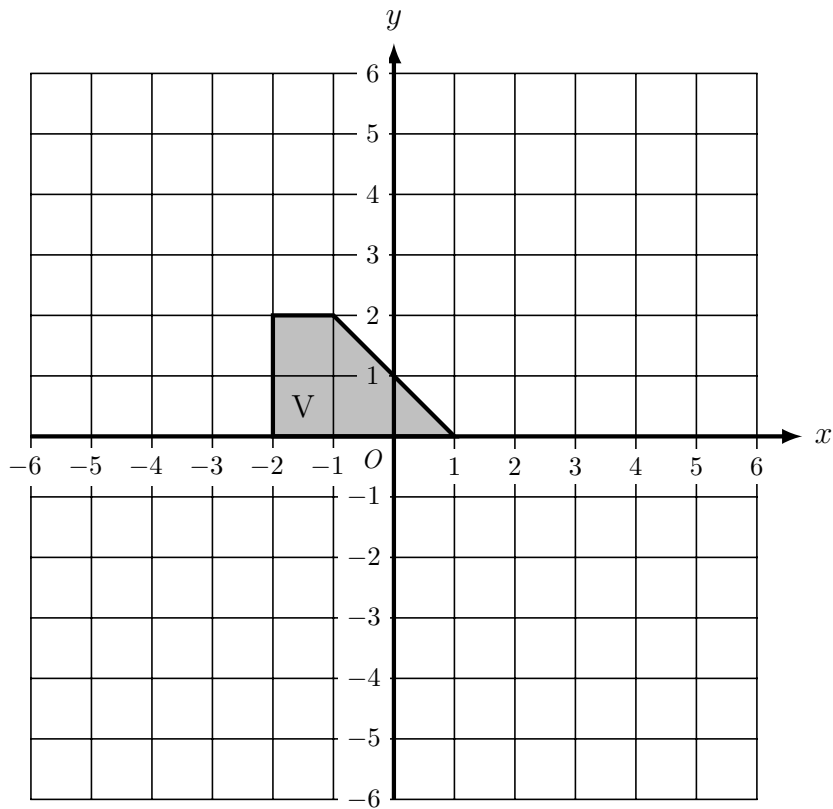


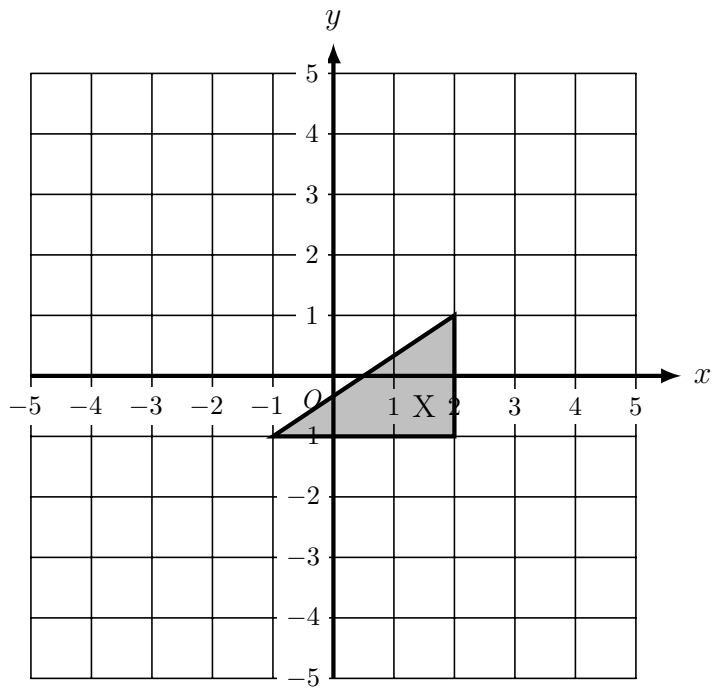
1. On the grid below, translate trapezium W by the vector $\begin{bmatrix} -3 \\ 1 \end{bmatrix}$ and label it X



2. On the grid below, translate trapezium V by the vector $\begin{bmatrix} 4 \\ -3 \end{bmatrix}$ and label it W



3. On the grid below, translate triangle X by the vector $\begin{bmatrix} 0 \\ -3 \end{bmatrix}$ and label it Y



Answers

1. bottom left at $(-3, -2)$
2. bottom left at $(2, -3)$
3. bottom left at $(-1, -4)$