

Combining Transformations

- E.g. 1**
- Draw an x -axis from -6 to 6 and a y -axis from -6 to 6 .
 - Draw a triangle A with vertices $(-6, 2)$, $(-3, 2)$ and $(-3, 1)$.
 - Reflect triangle A in the line $y = -x$. Label the image B.
 - Rotate triangle B 90° clockwise about $(0, 2)$. Label the image C.
 - Enlarge triangle C by a scale factor of -2 about $(2, 1)$. Label the image D.
 - Translate triangle D by vector $\begin{pmatrix} -4 \\ 3 \end{pmatrix}$. Label the image E.

Diagram 1

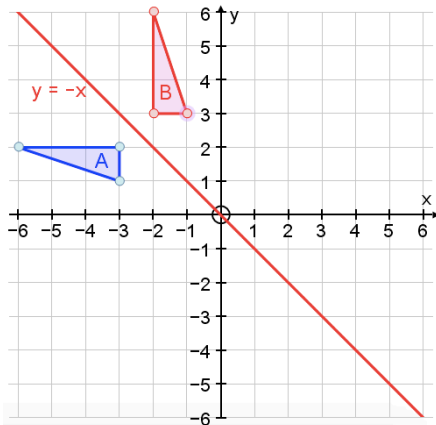


Diagram 2

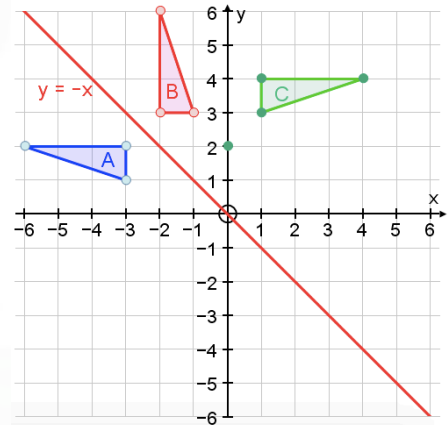


Diagram 3

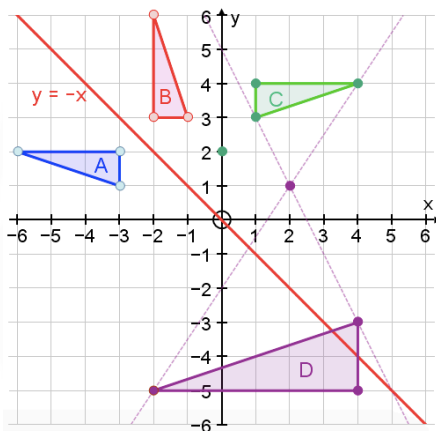
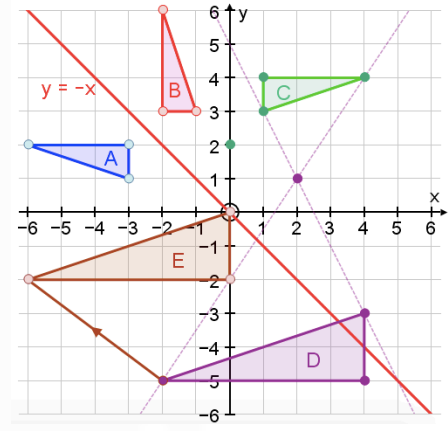


Diagram 4



Video:
Video:

[Combining transformations 1](#)
[Combining transformations 2](#)

[Solutions to Starter and E.g.s](#)

Exercise

9-1 class textbook:	p290 E9.2 Qu 1-6
A*-G class textbook:	p252 E9.2 Qu 1-8
9-1 homework book:	p100 E9.2 Qu 1-3
A*-G homework book:	p72 E9.2 Qu 1-3

[Homework book answers \(only available during a lockdown\)](#)