

Match-Up

Matrix Transformations



1	Rotation of 90° clockwise about the origin							
2	Enlargement of scale factor 2 about the origin							
3	Reflection in the x -axis							
4	Reflection in the line $y = x$							
5	Rotation of 90° anti-clockwise about the origin							
6	Enlargement of scale factor 3 about the origin							
7	Reflection in the y -axis							
8	Rotation of 180° about the origin							
9	Enlargement of scale factor 2 about the origin, followed by a reflection in the y -axis							
10	Reflection in the line $y = -x$							
11	Rotation of 90° clockwise about the origin, followed by an enlargement of scale factor 2							
12	Enlargement of scale factor 3, followed by a reflection in the x -axis							

A	$\begin{pmatrix} 0 & -1 \\ -1 & 0 \end{pmatrix}$
В	$\begin{pmatrix} -1 & 0 \\ 0 & -1 \end{pmatrix}$
С	$\begin{pmatrix} 3 & 0 \\ 0 & 3 \end{pmatrix}$
D	$\begin{pmatrix} -1 & 0 \\ 0 & 1 \end{pmatrix}$
E	$\begin{pmatrix} 2 & 0 \\ 0 & 2 \end{pmatrix}$
F	$\begin{pmatrix} 0 & 1 \\ -1 & 0 \end{pmatrix}$
G	$\begin{pmatrix} 3 & 0 \\ 0 & -3 \end{pmatrix}$
H	$\begin{pmatrix} 1 & 0 \\ 0 & -1 \end{pmatrix}$
I	$\begin{pmatrix} 0 & 2 \\ -2 & 0 \end{pmatrix}$
J	$\begin{pmatrix} 0 & -1 \\ 1 & 0 \end{pmatrix}$
K	$\begin{pmatrix} -2 & 0 \\ 0 & 2 \end{pmatrix}$
П	$\begin{pmatrix} 0 & 1 \\ 1 & 0 \end{pmatrix}$

1	2	3	4	5	6	7	8	9	10	11	12