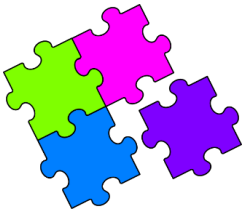
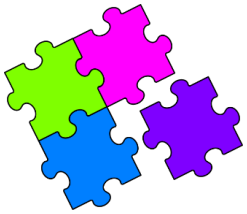


Match-Up

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	$\begin{pmatrix} 0 & -1 \\ -1 & 0 \end{pmatrix}$
B	$\begin{pmatrix} -1 & 0 \\ 0 & -1 \end{pmatrix}$
C	$\begin{pmatrix} 3 & 0 \\ 0 & 3 \end{pmatrix}$
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	$\begin{pmatrix} -2 & 0 \\ 0 & 2 \end{pmatrix}$
L	$\begin{pmatrix} 0 & 1 \\ 1 & 0 \end{pmatrix}$

1	2	3	4	5	6	7	8	9	10	11	12
F	E	H	L	J	C	D	B	K	A	I	G