SpiralEd Solutions

WALL WORK   GEOMETRY

TRANSFORMATIONS AND DILATIONS

1 ● SpiralEd Solutions

reflect over x-axis

2 ● SpiralEd Solutions

translate right one, up one

3 ● SpiralEd Solutions

dilate by a scale factor of 2

4 ● SpiralEd Solutions

translate right one, down one

5 ● **translate left one, up one**	**6** ● **translate left one, down one**
7 ● **reflect over y-axis**	**8** ● **translate right two, up three**

9 ● SpiralEd Solutions

dilate by a scale factor of $\frac{1}{2}$

10 ● SpiralEd Solutions

translate right two, down three

11 ● SpiralEd Solutions

translate left two, up three

12 ● SpiralEd Solutions

translate left two, down three

13 ●

rotate 90° counter-clockwise

14 ●

translate right three, up two

15 ●

translate right three, down two

16 ●

dilate by a scale factor of $\frac{3}{4}$

SpiralEd Solutions

17
● SpiralEd Solutions

translate left three, up two

18
● SpiralEd Solutions

rotate 90º clockwise

19
● SpiralEd Solutions

translate left three, down two

20
● SpiralEd Solutions

translate left four

21 ● SpiralEd Solutions	22 ● SpiralEd Solutions
translate down four	no change
23 ● SpiralEd Solutions	24 ● SpiralEd Solutions
translate up four	rotate 180°

SpiralEd Solutions

A $$(x, y) \rightarrow (x + 1, y + 1)$$	**B** $$(x, y) \rightarrow (x - 1, y - 1)$$
C $$(x, y) \rightarrow (x + 2, y - 3)$$	**D** $$(x, y) \rightarrow (x + 3, y + 2)$$

E

$$(x, y) \rightarrow (y, -x)$$

F

$$(x, y) \rightarrow (x, y)$$

G

$$(x, y) \rightarrow (-x, -y)$$

H

$$(x, y) \rightarrow (x - 3, y - 2)$$

I

$$(x, y) \rightarrow (x + 3, y - 2)$$

J

$$(x, y) \rightarrow (x - 2, y + 3)$$

K

$$(x, y) \rightarrow (-x, y)$$

L

$$(x, y) \rightarrow (2x, 2y)$$

M $$(x, y) \rightarrow (x, -y)$$	**N** $$(x, y) \rightarrow (x - 1, y + 1)$$
O $$(x, y) \rightarrow (x + 2, y + 3)$$	**P** $$(x, y) \rightarrow (x - 2, y - 3)$$

Q

$$(x,y) \rightarrow (\frac{3}{4}x, \frac{3}{4}y)$$

R

$$(x,y) \rightarrow (x-4, y)$$

S

$$(x,y) \rightarrow (x, y+4)$$

T

$$(x,y) \rightarrow (x, y-4)$$

U	V
$(x, y) \rightarrow (x - 3, y + 2)$	$(x, y) \rightarrow (-y, x)$

W	X
$(x, y) \rightarrow (\frac{1}{2}x, \frac{1}{2}y)$	$(x, y) \rightarrow (x + 1, y - 1)$

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Key   Wall Work   Geometry
Tranformation/Dilation

1	M
2	A
3	L
4	X
5	N
6	B
7	K
8	O
9	W
10	C
11	J
12	P

13	V
14	D
15	I
16	Q
17	U
18	E
19	H
20	R
21	T
22	F
23	S
24	G