

Sequence of Transformations Project

1. Draw a pre-image that has at least 10 points. The pre-image should be completely inside the first quadrant. If your pre-image has more than 10 points, you will only need to label the first 10 points.
2. Label each of the points on the pre-image alphabetically beginning with A.
3. List the points and ordered pairs in the table.
4. Next, reflect your image across the y-axis. Label these points as A', B', ...
5. Now, take that image that you just reflected and rotate it 180°. Label these points A'', B'', ...
6. Finally, translate that image: $(x, y) \rightarrow (x - 20, y - 2)$. Label these points A''', B''', ...

Pre-Image Points	Reflected Image Points	Rotated Image Points	Translated Image Points
A	A'	A''	A'''
B	B'	B''	B'''
C	C'	C''	C'''
D	D'	D''	D'''
E	E'	E''	E'''
F	F'	F''	F'''
G	G'	G''	G'''
H	H'	H''	H'''
I	I'	I''	I'''
J	J'	J''	J'''