Use your white board to complete the following series of transformations.
Enter the coordinates below to check if you are correct.

1. Pre-Image: △ALT A(-5,-1), L(,-3,-2), T(-3,2)

Translate right 6, down 3	Reflect over the y-axis
A'(_____, _____)	A''(_____, _____)
L'(_____, _____)	L''(_____, _____)
T'(_____, _____)	T''(_____, _____)

2. Pre-Image: △TAB T(2,3), A(1,1), B(4, -3)

Reflect over x-axis	Reflect over y-axis
T'(_____, _____)	T''(_____, _____)
A'(_____, _____)	A''(_____, _____)
B'(_____, _____)	B''(_____, _____)

3. Pre-Image: △ALT A(-5,-1), L(-3,-2), T(-3,2)

90° clockwise	Reflect over x axis
A'(_____, _____)	A''(_____, _____)
L'(_____, _____)	L''(_____, _____)
T'(_____, _____)	T''(_____, _____)

4. Pre-Image: △TAB T(2,3), A(1,1), B(4, -3)

Reflect over y-axis	translate 2 right, up 1
T'(_____, _____)	T''(_____, _____)
A'(_____, _____)	A''(_____, _____)
B'(_____, _____)	B''(_____, _____)

5. Pre-Image: △ALT A(-5,-1), L(,-3,-2), T(-3,2)

Rotate 180° clockwise	Reflect over x axis
A'(_____, _____)	A''(_____, _____)
L'(_____, _____)	L''(_____, _____)
T'(_____, _____)	T''(_____, _____)

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6. Pre-Image: △TAB T(2,3), A(1,1), B(4, -3)

Reflect over y-axis	Translate left 5, down 4
T'(_____, _____)	T''(_____, _____)
A' (_____, _____)	A'' (_____, _____)
B' (_____, _____)	B'' (_____, _____)

7. Pre-Image: △ALT A(-5,-1), L(-3,-2), T(-3,2)

Translate right 3, up 2	Reflect image over y-axis
A'(_____, _____)	A''(_____, _____)
L' (_____, _____)	L'' (_____, _____)
T' (_____, _____)	T''(_____, _____)

8. Pre-Image: △ALT A(-5,-1), L(-3,-2), T(-3,2)

Reflect over the y-axis	Translate right 3 up 2
A'(_____, _____)	A''(_____, _____)
L' (_____, _____)	L'' (_____, _____)
T' (_____, _____)	T''(_____, _____)

9. Pre-Image: △ TAB T(2,3), A(1,1), B(4, -3)

Rotate 90o clockwise	Reflect over x-axis
T'(_____, _____)	T'' (_____, _____)
A' (_____, _____)	A'' (_____, _____)
B' (_____, _____)	B'' (_____, _____)

10. Pre-Image:△ TAB T(2,3), A(1,1), B(4, -3)

Reflect over x-axis	Rotate 90° clockwise
T'(_____, _____)	T''(_____, _____)
A' (_____, _____)	A'' (_____, _____)
B' (_____, _____)	B'' (_____, _____)

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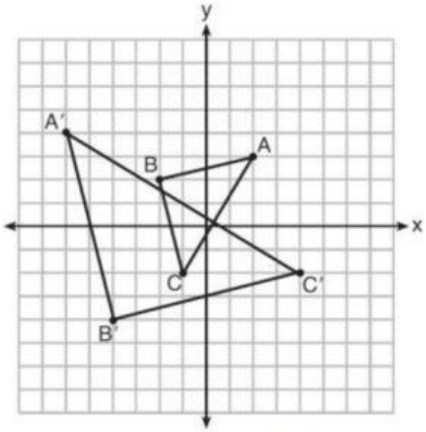
Which sequence of transformations is correct?

1) Reflection then translation

2) Rotation and Reflection

3) Translation and Dilation

4) Dilation and Rotation



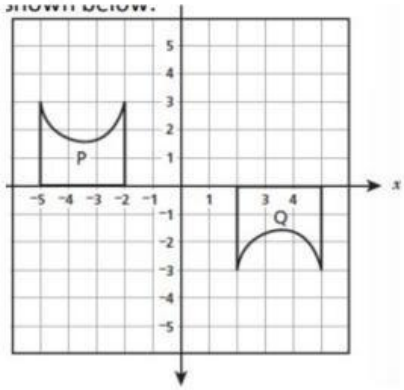
Which sequence of transformation could take figure P to P'?

A. Reflection over the x-axis and translation of 7 units right

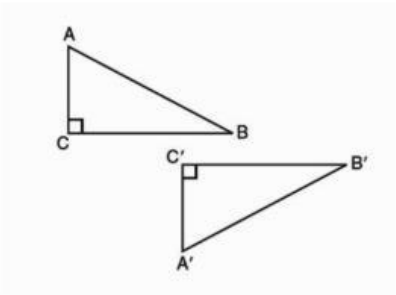
B. Reflection over the y-axis and translation 3 units down

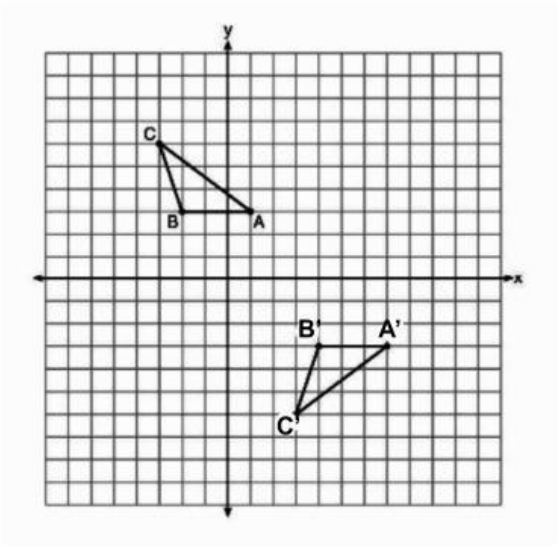
C. Translation 1 unit right and 180° rotation about the origin

D. Translation 4 units right and 180° rotation about the origin



Which sequence of transformations is correct?
Remember A is Pre-Image, A' is Image.





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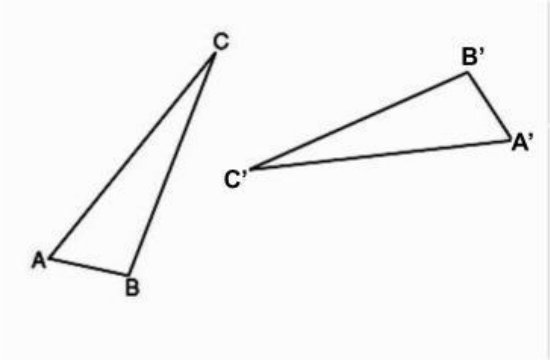

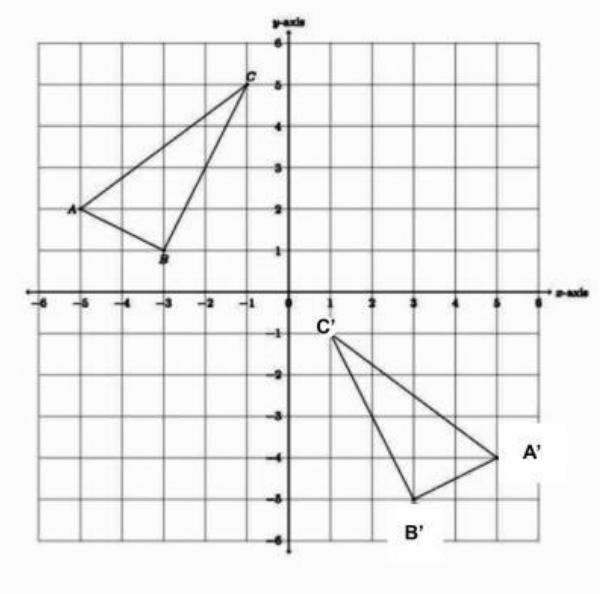

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