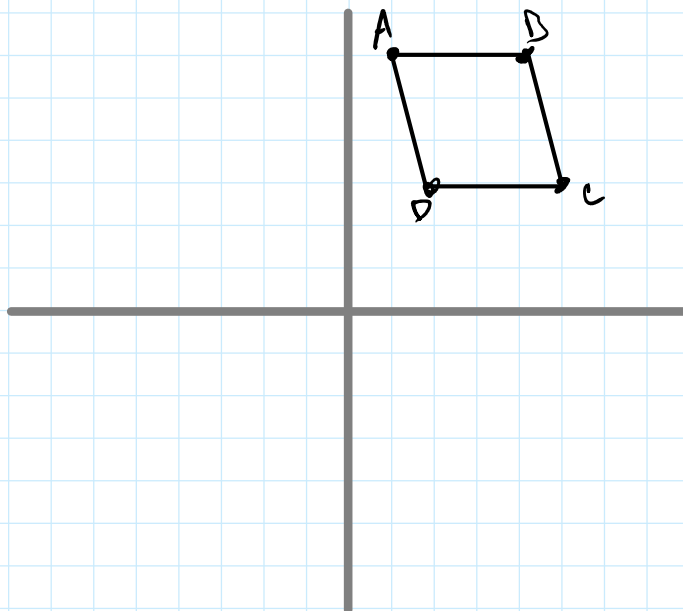


## Test Review

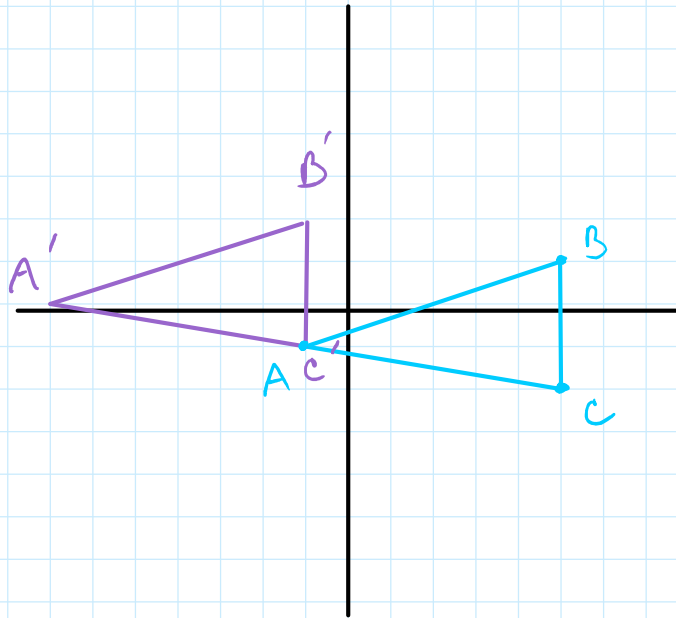
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Use the given rule to translate the coordinates of Quadrilateral ABCD, draw and label the image of Quadrilateral A'B'C'D'  $\langle -7, -4 \rangle$



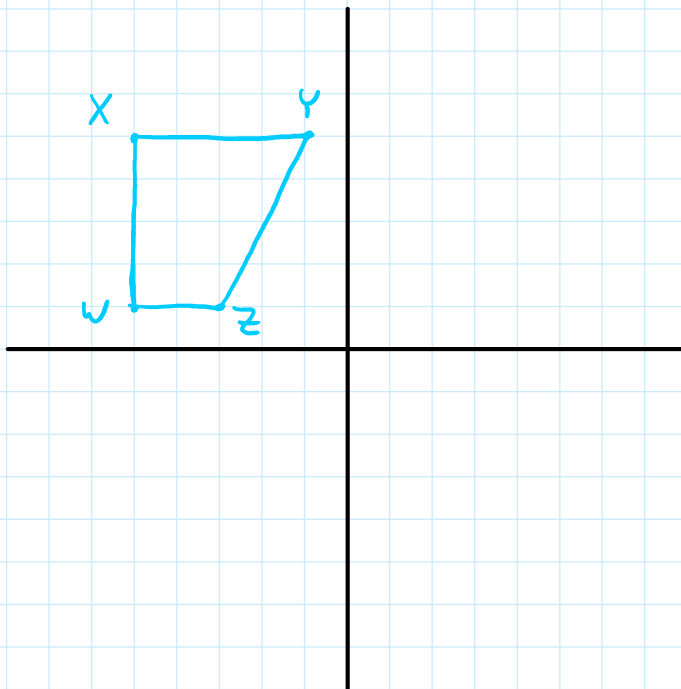
(2)

Write a rule for the translation of the preimage  $ABC$  to  $A'B'C'$



(2)

Graph the polygon's image after a reflection in the given line.  $x=2$

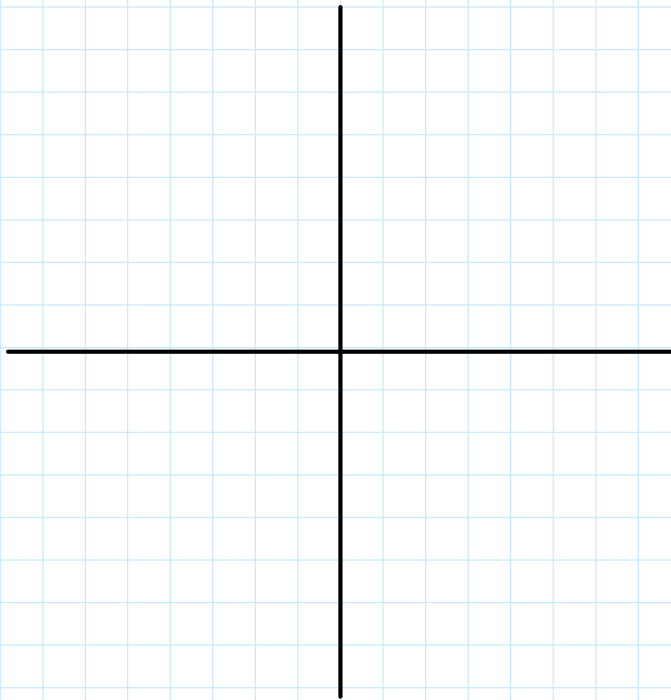


(2)

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Graph the polygon with the given vertices and its image after a rotation of the given number of degrees about the origin.

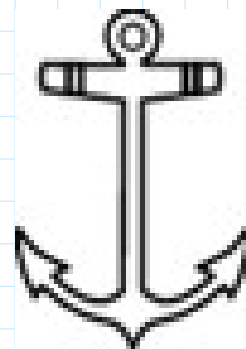
$M(1,2), N(3,-1), O(4,5); 180^\circ$



(2)

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For the following problems: a) how many lines of symmetry does the figure have? b) How many degrees of rotational symmetry does the shape have?

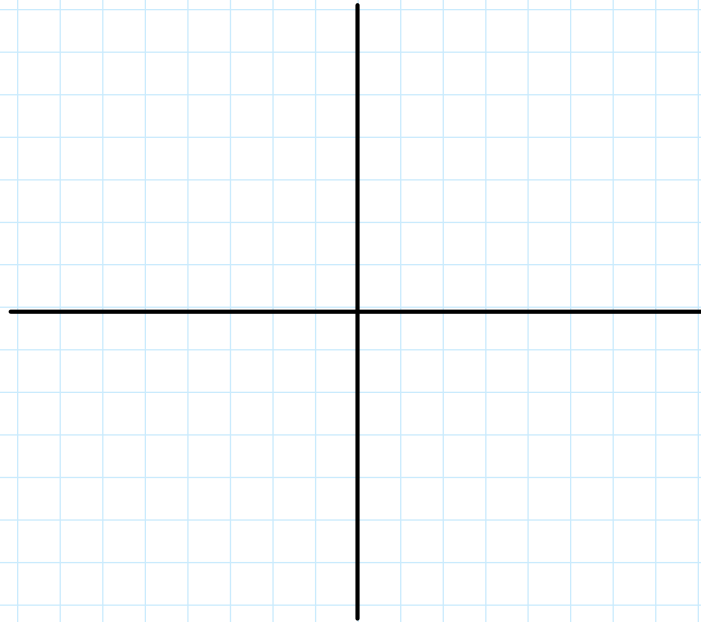


(3)

Determine whether the polygons with the given vertices are congruent, similar, or neither.

$A(0,0)$ ,  $B(1,-1)$ ,  $C(-2,3)$

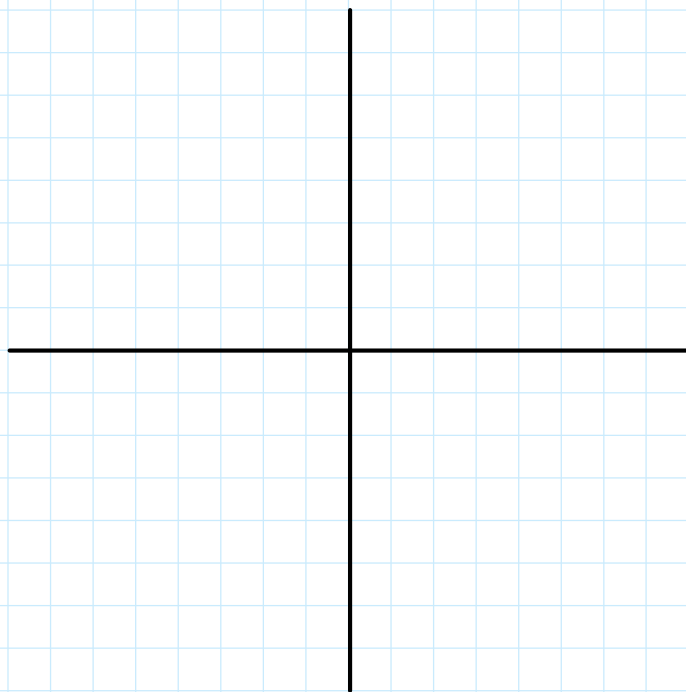
$X(0,-3)$ ,  $Y(3,-6)$ ,  $Z(-6,6)$



(2)

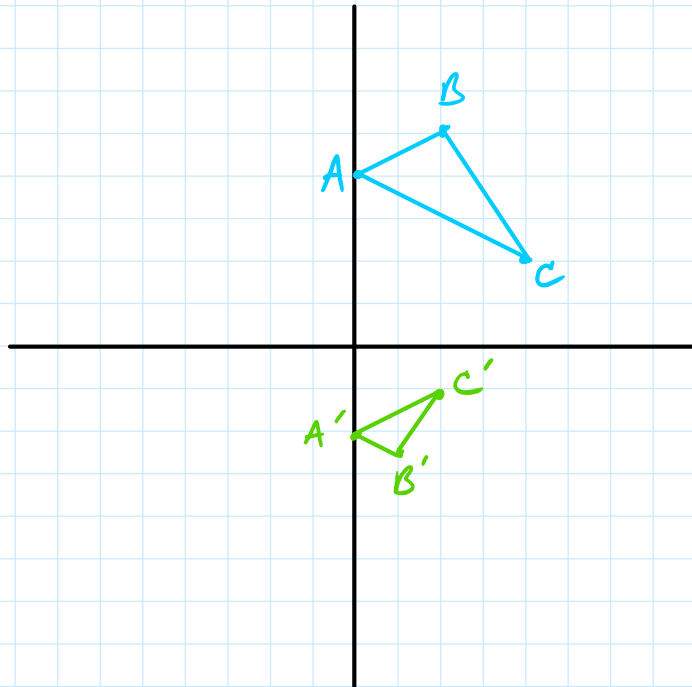
Graph  $MNO$  with vertices  $M(-3,-1)$ ,  $N(1,3)$ ,  $O(2,2)$  and its image after a dilation with scale factor  $k$ .

$k=-2$



(2)

Describe a similarity transformation that maps the preimage  $\triangle ABC$  to the image  $\triangle A'B'C'$ .



16 total Questions

Good Luck, Study!!!