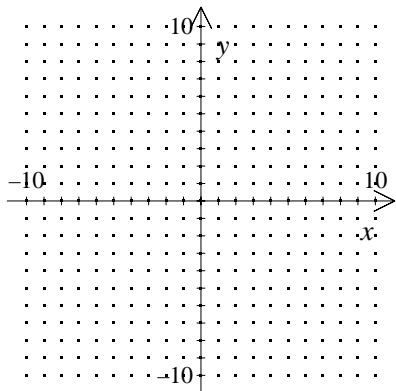


P.I. G.G.54: Define, investigate, justify, and apply isometries in the plane (rotations)

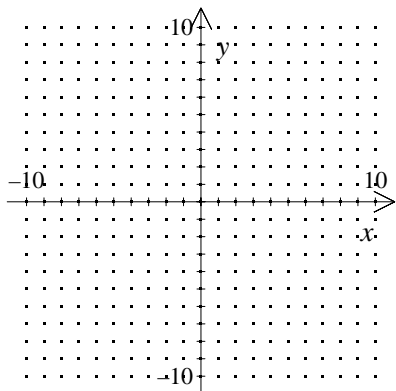
- Graph the figure WXYZ with vertices $W(-2, -1)$, $X(-4, 1)$, $Y(-7, -2)$, and $Z(-5, -4)$.

Rotate the figure WXYZ 180° and graph the rotation.



[1]

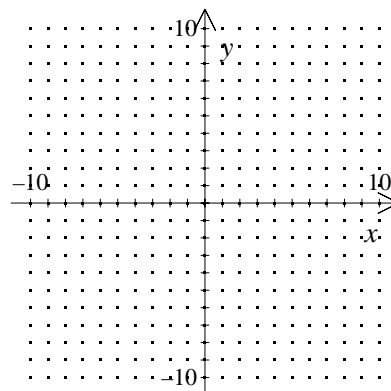
- Graph the figure WXYZ with vertices $W(4, 4)$, $X(1, 7)$, $Y(-1, 5)$, and $Z(2, 2)$. Rotate the figure WXYZ 90° clockwise and graph the rotation.



[2]

NAME: _____

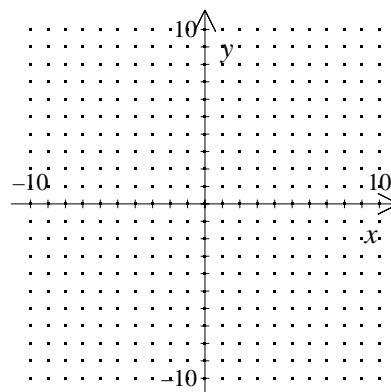
- Graph the figure WXYZ with vertices $W(1, 2)$, $X(0, 3)$, $Y(-4, -1)$, and $Z(-3, -2)$. Rotate the figure WXYZ 90° counterclockwise and graph the rotation.



[3]

- Graph the figure WXYZ with vertices $W(-5, -3)$, $X(-9, 1)$, $Y(-10, 0)$, and $Z(-6, -4)$.

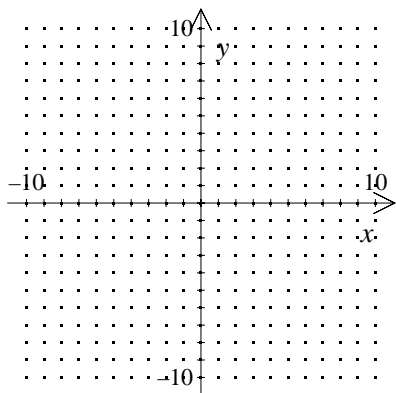
Rotate the figure WXYZ 180° and graph the rotation.



[4]

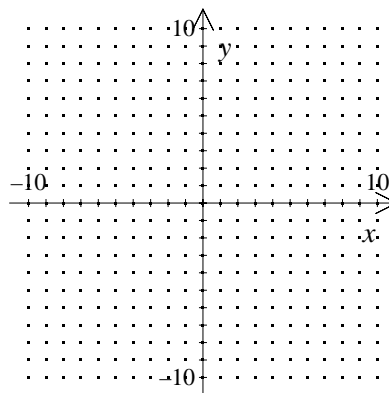
NAME: _____

5. Graph the figure $WXYZ$ with vertices $W(-3, 5)$, $X(-7, 9)$, $Y(-9, 7)$, and $Z(-5, 3)$. Rotate the figure $WXYZ$ 90° clockwise and graph the rotation.



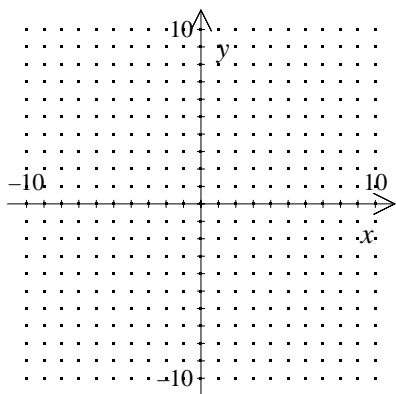
[5] _____

7. Graph the figure $WXYZ$ with vertices $W(-3, -2)$, $X(-6, 1)$, $Y(-7, 0)$, and $Z(-4, -3)$. Rotate the figure $WXYZ$ 90° clockwise and graph the rotation.



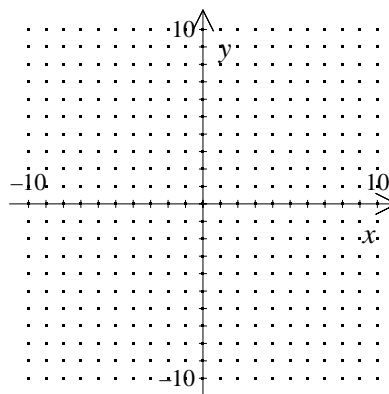
[7] _____

6. Graph the figure $WXYZ$ with vertices $W(-1, 4)$, $X(-2, 5)$, $Y(-5, 2)$, and $Z(-4, 1)$. Rotate the figure $WXYZ$ 90° counterclockwise and graph the rotation.

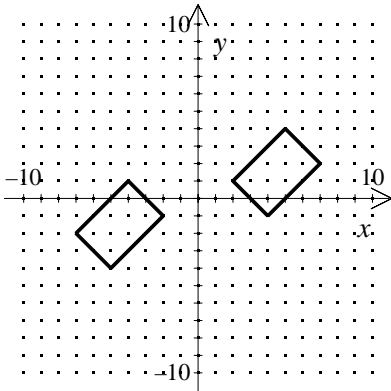


[6] _____

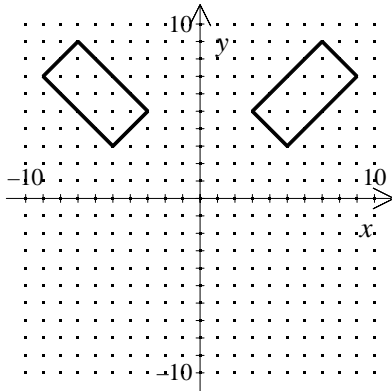
8. Graph the figure $WXYZ$ with vertices $W(2, -3)$, $X(0, -1)$, $Y(-4, -5)$, and $Z(-2, -7)$. Rotate the figure $WXYZ$ 90° counterclockwise and graph the rotation.



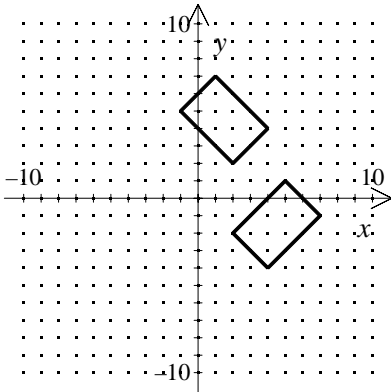
[8] _____



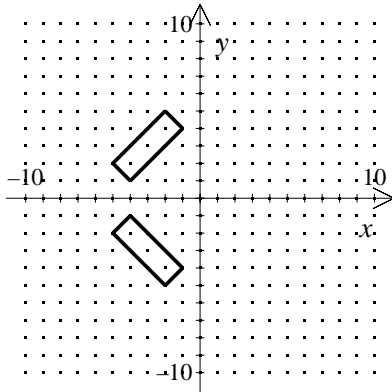
[1]



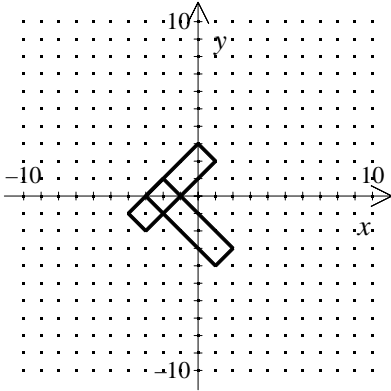
[5]



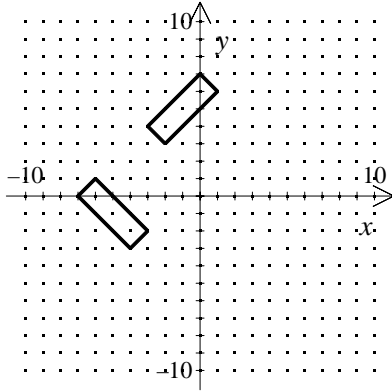
[2]



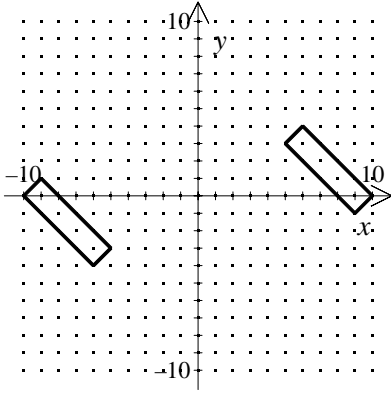
[6]



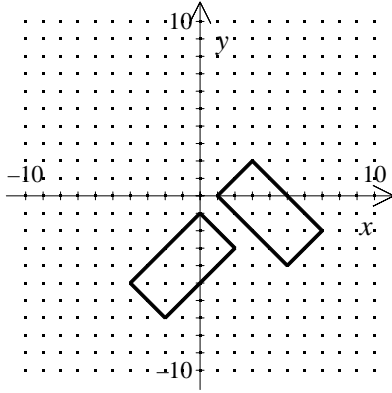
[3]



[7]



[4]



[8]