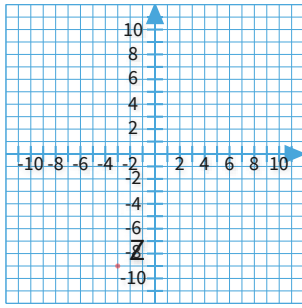


#1

Graph the image of $Z(-3, -9)$ after a rotation of 180° clockwise around the origin. What are the coordinates of the resulting point, Z' ?

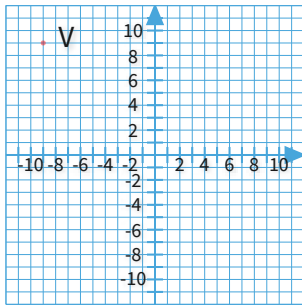


- $Z'(-9, 3)$
 $Z'(-3, -9)$
 $Z'(3, 9)$

Show your work

#2

Graph the image of $V(-9, 9)$ after a rotation of 180° counterclockwise around the origin. What are the coordinates of the resulting point, V' ?

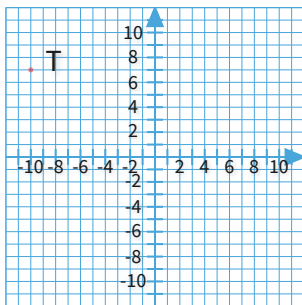


- $V'(9, 9)$
 $V'(9, -9)$
 $V'(-9, 9)$

Show your work

#3

Graph the image of $T(-10, 7)$ after a rotation of 180° counterclockwise around the origin. What are the coordinates of the resulting point, T' ?

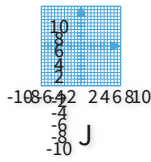


- $T'(10, -7)$
 $T'(-10, 7)$
 $T'(7, 10)$

Show your work

#4

Graph the image of $J(-3, -9)$ after a rotation of 180° counterclockwise around the origin. What are the coordinates of the resulting point, J' ?

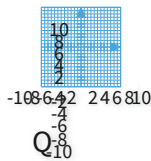


$$J' = (\boxed{}, \boxed{})$$

Show your work

#5

Graph the image of $Q(-10, -10)$ after a rotation of 180° clockwise around the origin. What are the coordinates of the resulting point, Q' ?

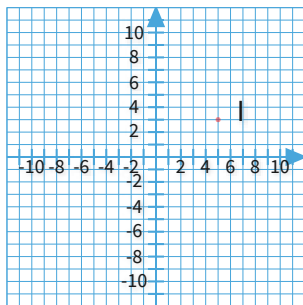


$$Q' = (\boxed{}, \boxed{})$$

Show your work

#6

Graph the image of $I(5, 3)$ after a rotation of 180° counterclockwise around the origin. What are the coordinates of the resulting point, I' ?

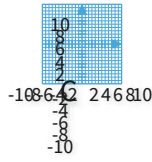


- $I'(-5, -3)$
 $I'(5, 3)$
 $I'(3, -5)$

Show your work

#7

Graph the image of $C(-6, -2)$ after a rotation of 180° counterclockwise around the origin. What are the coordinates of the resulting point, C' ?

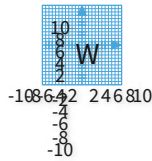


$$C' = (\boxed{}, \boxed{})$$

Show your work

#8

Graph the image of $W(-3, 5)$ after a rotation of 180° counterclockwise around the origin. What are the coordinates of the resulting point, W' ?

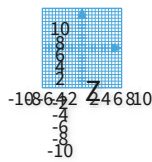


$$W' = (\boxed{}, \boxed{})$$

Show your work

#9

Graph the image of $Z(-2, -1)$ after a rotation of 180° clockwise around the origin. What are the coordinates of the resulting point, Z' ?

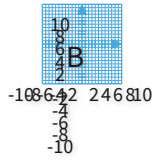


$$Z' = (\boxed{}, \boxed{})$$

Show your work

#10

Graph the image of $B(-5, 4)$ after a rotation of 180° clockwise around the origin. What are the coordinates of the resulting point, B' ?

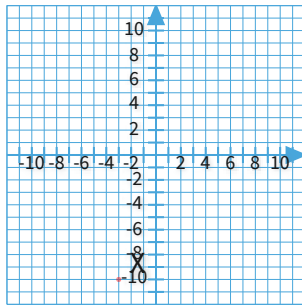


$$B' = (\boxed{}, \boxed{})$$

Show your work

#11

Graph the image of $X(-3, -10)$ after a rotation of 180° counterclockwise around the origin. What are the coordinates of the resulting point, X' ?

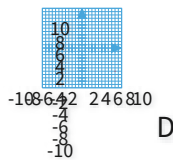


- $X'(-3, -10)$
 $X'(-10, 3)$
 $X'(3, 10)$

Show your work

#12

Graph the image of $D(10, -7)$ after a rotation of 180° counterclockwise around the origin. What are the coordinates of the resulting point, D' ?



$$D' = (\boxed{}, \boxed{})$$

Show your work

Question	Answer
#1	choice 3
#2	choice 2
#3	choice 1
#4	3, 9
#5	10, 10
#6	choice 1
#7	6, 2
#8	3, -5
#9	2, 1
#10	5, -4
#11	choice 3
#12	-10, 7