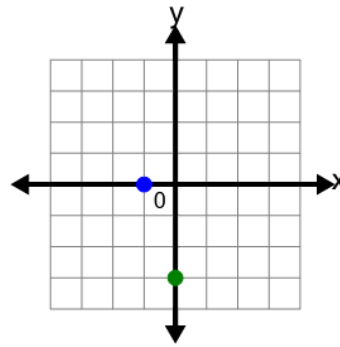




Math worksheet on 'Cartesian Grid - Rotation of Point (Grid to Coordinates) around Point on Axis (Level 1)'. Part of a broader unit on 'Cartesian Grid Transformations - Intro'

Learn online: app.mobius.academy/math/units/cartesian_grid_transformations_intro/

1



Rotate this point by 90° clockwise about point $(-1,0)$

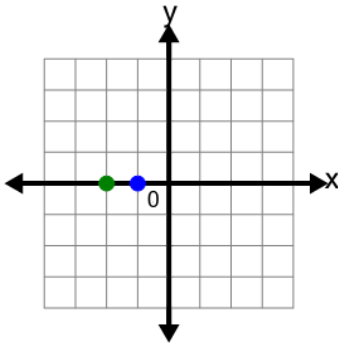
a

$(1,-4)$

b

$(-4,-1)$

2



Rotate this point by 180° counter-clockwise about point $(-1,0)$

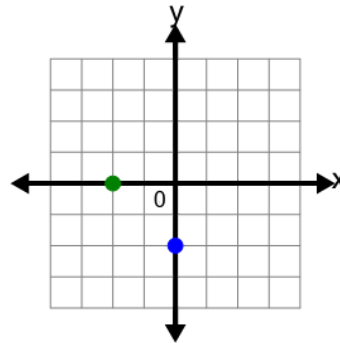
a

$(-1,-1)$

b

$(0,0)$

3



Rotate this point by 180° clockwise about point $(0,2)$

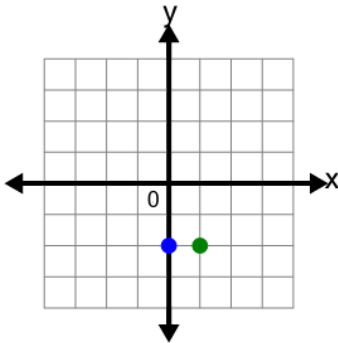
a

$(2,-4)$

b

$(-2,-4)$

4



Rotate this point by 180° counter-clockwise about point $(0,-2)$

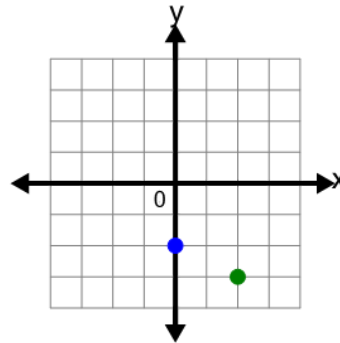
a

$(-1,-2)$

b

$(1,-2)$

5



Rotate this point by 90° counter-clockwise about point $(0,-2)$

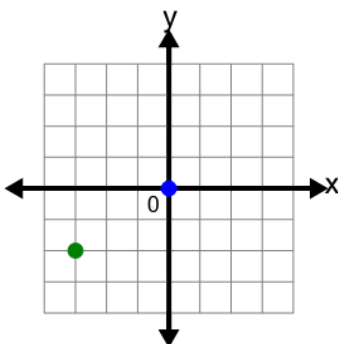
a

$(1,0)$

b

$(-0,-1)$

6



Rotate this point by 90° clockwise about the origin

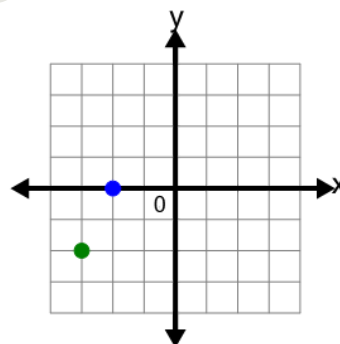
a

$(-2,3)$

b

$(-3,2)$

7



Rotate this point by 90° counter-clockwise about point $(-2,0)$

a

$(0,-1)$

b

$(1,-0)$