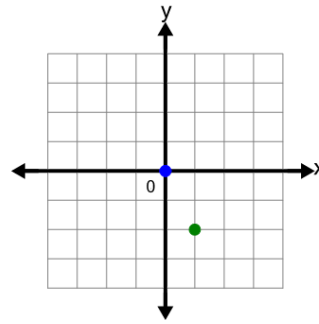




Math worksheet on 'Cartesian Grid - Rotation of Point (Grid to Coordinates) around Point on Axis (Level 1)'. Part of a broader unit on 'Cartesian Grid Transformations - Intro'

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

1



Rotate this point by 90° clockwise about the origin

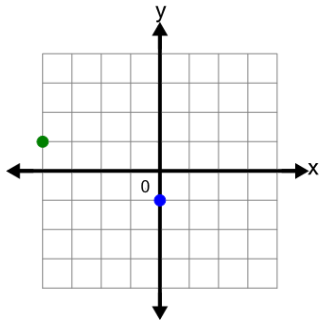
a

$(-2, -1)$

b

$(-2, 1)$

2



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

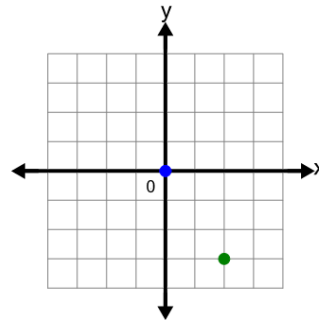
a

$(4, -3)$

b

$(3, 4)$

3



Rotate this point by 180° counter-clockwise about the origin

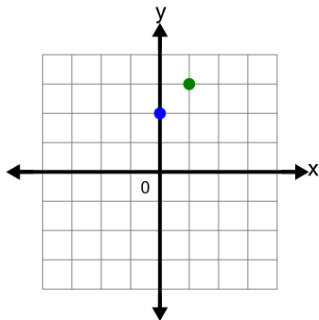
a

$(-3, -2)$

b

$(-2, 3)$

4



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

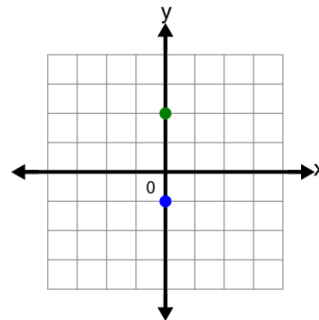
a

$(1, 1)$

b

$(1, -1)$

5



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

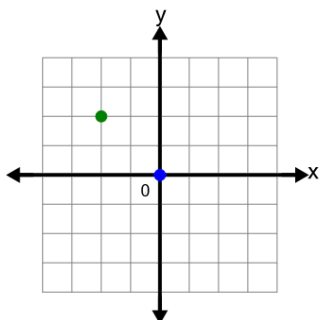
a

$(3, -1)$

b

$(1, -3)$

6



Rotate this point by 180° counter-clockwise about the origin

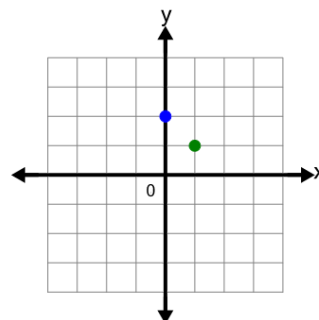
a

$(2, 2)$

b

$(2, -2)$

7



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

a

$(1, -3)$

b

$(-1, 3)$