mobius

Cartesian Grid - Rotation of Point (Coordinates to Coordinates) around Point on Axis

1 Rotate point (3,3) by 90° clockwise about point (0,-1)

(3,-3)

A	B
(-2,-4)	(4,2)

2 Rotate point (2,2) by 90° clockwise about the origin

(2,2)

A	B
(2,-2)	(-2,-2)

3

Rotate point (0,4) by 180° counter-clockwise about point (0,2)

(0,4)

A	B
(0,0)	(-3,-2)

4

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

(2,-2)

A	B
(-2,2)	(2,2)

5 Rotate point (3,2) by 180° clockwise about the origin

(3,2)

A	B
(-3,-2)	(-2,3)

6

Rotate point (-3,1) by 180° counter-clockwise about point (-2,0)

(-3,1)

A	B
(-1,1)	(-1,-1)

7 Rotate point (0,3) by 180° clockwise about point (1,0)

(0,3)

A	B
(-3,-2)	(2,-3)

8 Rotate point (-2,2) by 90° clockwise about the origin

(-2,2)

A	B
(-2,2)	(2,2)