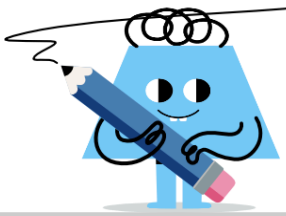
Name



# Cartesian Grid - Rotation of Point (Coordinates to Coordinates) around Point

**1**

(-4,-3)

Rotate point (-4,-3) by 180° counter-clockwise about point (-1,-2)

| A | B |
|---|---|
| (2,-1) | (2,1) |

**2**

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

(0,-3)

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

**3**

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

(-2,0)

| A | B |
|---|---|
| (4,4) | (4,-4) |

**4**

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

(-1,0)

| A | B |
|---|---|
| (3,-4) | (3,4) |

**5**

(2,0)

Rotate point (2,0) by 90° counter-clockwise about point (0,1)

| A | B |
|---|---|
| (-3,1) | (1,3) |

**6**

(3,1)

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

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

**7**

Rotate point (1,2) by 90° clockwise about point (-2,1)

(1,2)

| A | B |
|---|---|
| (-1,2) | (-1,-2) |

**8**

(-4,-2)

Rotate point (-4,-2) by 90° counter-clockwise about point (-1,0)

| A | B |
|---|---|
| (-1,-3) | (1,-3) |