

## Four Rotations on a Cartesian Plane Solutions

Number of quadrants	Degrees of rotation	Fractional turn
1 quadrant	$90^\circ$	Quarter-turn ( $\frac{1}{4}$ ) CCW
2 quadrants	$180^\circ$	Half-turn ( $\frac{1}{2}$ ) CCW
3 quadrants	$270^\circ$	Three-quarter turn ( $\frac{3}{4}$ ) CCW
4 quadrants	$360^\circ$	Full-turn (whole) counter clockwise brings you back to the starting point