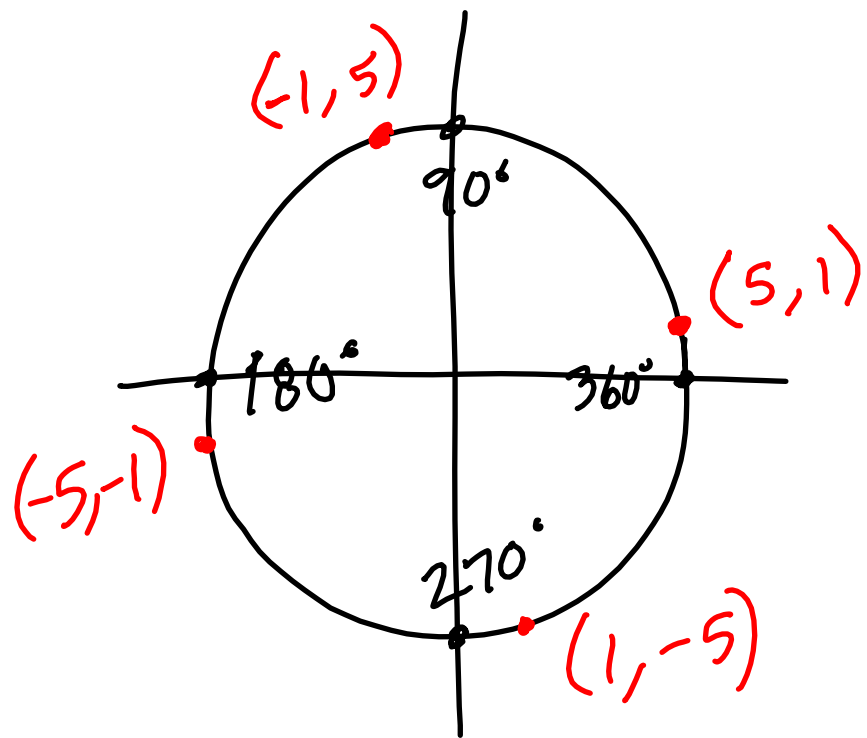


Rotations

- Notation $\Rightarrow r$ (Degrees, 0) (rotate object # of degrees about origin)



$$90^\circ (x, y) \rightarrow (-y, x)$$

$$180^\circ (x, y) \rightarrow (-x, -y)$$

$$270^\circ (x, y) \rightarrow (y, -x)$$

EX $\rightarrow (3, 4)$
 $90^\circ \rightarrow (-4, 3)$
 $180^\circ \rightarrow (-3, -4)$
 $270^\circ \rightarrow (4, -3)$

EX $\rightarrow (-6, 2)$
 $90^\circ \rightarrow (2, -6)$
 $180^\circ \rightarrow (-6, -2)$
 $270^\circ \rightarrow (2, 6)$

EX $\rightarrow (-7, -10)$

$90^\circ \rightarrow (10, -7)$

$180^\circ \rightarrow (7, 10)$

$270^\circ \rightarrow (-10, 7)$