

Convert each degree measure into radians and each radian measure into degrees.

$$-\frac{\pi}{6} \quad -30^\circ$$

$$-30^\circ \quad -\frac{\pi}{6}$$

$$-210^\circ \quad -\frac{7\pi}{6}$$

$$-160^\circ \quad -\frac{8\pi}{9}$$

$$\frac{11\pi}{6} \quad 330^\circ$$

$$915^\circ \quad \frac{61\pi}{12}$$

$$-105^\circ \quad -\frac{7\pi}{12}$$

$$\frac{7\pi}{2} \quad 630^\circ$$

$$230^\circ \quad \frac{23\pi}{18}$$

$$-170^\circ \quad -\frac{17\pi}{18}$$

$$-\frac{23\pi}{6} \quad -690^\circ$$

$$-930^\circ \quad -\frac{31\pi}{6}$$

$$\frac{\pi}{4} \quad 45^\circ$$

$$-\frac{\pi}{3} \quad -60^\circ$$

$$\frac{17\pi}{12} \quad 255^\circ$$

$$\frac{\pi}{2} \quad 90^\circ$$

$$\frac{4\pi}{9} \quad 80^\circ$$

$$\frac{31\pi}{9} \quad 620^\circ$$

$$-\frac{13\pi}{6} \quad -390^\circ$$

$$660^\circ \quad \frac{11\pi}{3}$$

Find the coterminal angle that lies between  $0^\circ$  and  $360^\circ$ . Submit your answer in degrees.

$-630^\circ$

degrees 90

Find the coterminal angle that lies between  $0^\circ$  and  $360^\circ$ . Submit your answer in degrees.

$870^\circ$

degrees 150

Find the coterminal angle that lies between  $0^\circ$  and  $360^\circ$ . Submit your answer in degrees.

$390^\circ$

degrees 30

Find the coterminal angle that lies between  $0^\circ$  and  $360^\circ$ . Submit your answer in degrees.

$-194^\circ$

degrees 166

Find the coterminal angle that lies between 0 and  $2\pi$  radians. Submit your answer in radians.

$\frac{17\pi}{6}$

radians  $\frac{5\pi}{6}$

Find the coterminal angle that lies between 0 and  $2\pi$  radians. Submit your answer in radians.

$\frac{31\pi}{4}$

radians  $\frac{7\pi}{4}$

Find the coterminal angle that lies between 0 and  $2\pi$  radians. Submit your answer in radians.

$-\frac{15\pi}{4}$

radians  $\frac{\pi}{4}$

Find the coterminal angle that lies between  $0^\circ$  and  $360^\circ$ . Submit your answer in degrees.

$-495^\circ$

degrees 225

Find the coterminal angle that lies between  $0^\circ$  and  $360^\circ$ . Submit your answer in degrees.

$-960^\circ$

degrees 120

Find the coterminal angle that lies between  $0^\circ$  and  $360^\circ$ . Submit your answer in degrees.

$-1013^\circ$

degrees 67

Find the coterminal angle that lies between 0 and  $2\pi$  radians. Submit your answer in radians.

$\frac{17\pi}{5}$

radians  $\frac{7\pi}{5}$

Find the coterminal angle that lies between 0 and  $2\pi$  radians. Submit your answer in radians.

$-\frac{23\pi}{6}$

radians  $\frac{\pi}{6}$

Find the coterminal angle that lies between 0 and  $2\pi$  radians. Submit your answer in radians.

$5\pi$

radians  $\pi$

Find the coterminal angle that lies between 0 and  $2\pi$  radians. Submit your answer in radians.

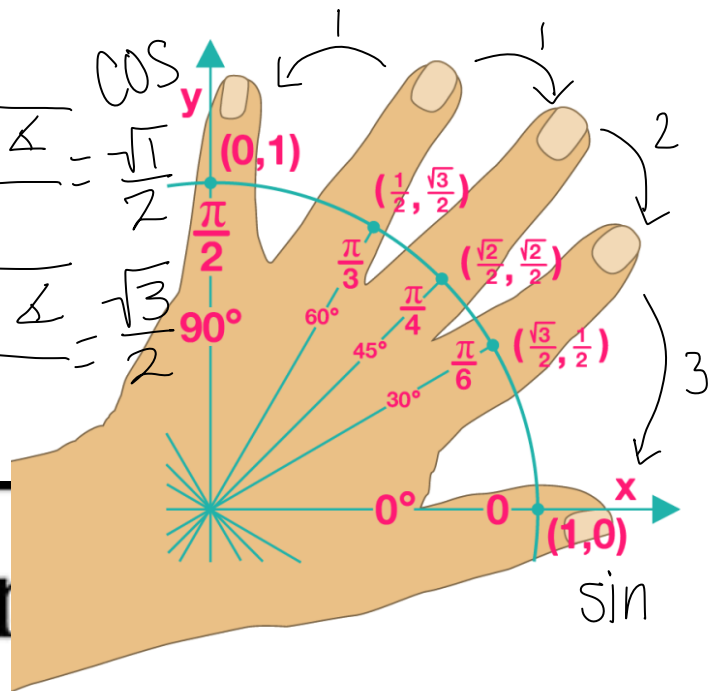
$\frac{27\pi}{4}$

radians  $\frac{3\pi}{4}$

Left hand trick -

$$x \text{ value} = \frac{\sqrt{\# \text{ of fingers above } \angle}}{2} = \frac{\sqrt{1}}{2} = \frac{1}{2}$$

$$y \text{ value} = \frac{\sqrt{\# \text{ of fingers below } \angle}}{2} = \frac{\sqrt{3}}{2}$$



## Unit Circle

