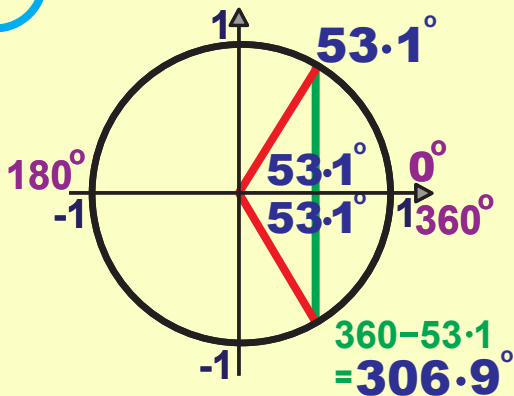


Find  $x$  in the following:

①  $5 \cos x^\circ - 3 = 0$      $0^\circ \leq x < 360^\circ$

②  $4 \sin x^\circ + 3 = 0$      $0^\circ \leq x < 360^\circ$

① **cos is Length**     $5 \cos x - 3 + 3 = 0 + 3$



$$\frac{5 \cos x}{5} = \frac{3}{5}$$

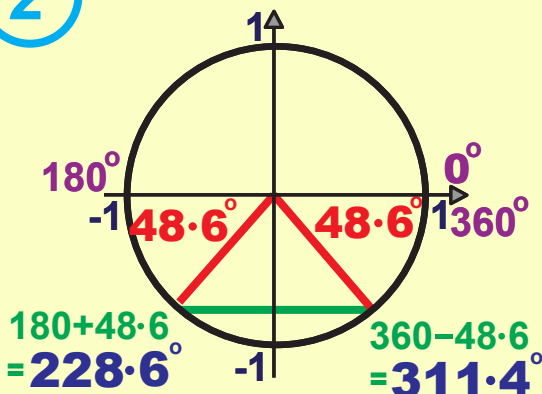
$$\cos x = 0.6$$

$$x = 53.1^\circ$$

$$x = 53.1^\circ$$

$$x = 306.9^\circ$$

② **sin is Height**     $4 \sin x + 3 - 3 = 0 - 3$



$$\frac{4 \sin x}{4} = \frac{-3}{4}$$

$$\sin x = -0.75$$

Making  $\sin x$  Positive

$$\sin x = 0.75$$

$$x = 48.6^\circ$$

$$x = 228.6^\circ$$

$$x = 311.4^\circ$$