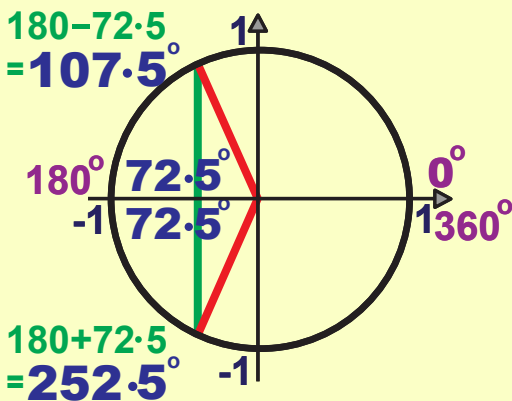


Find x in the following:

③ $10\cos x^\circ + 3 = 0$ $0^\circ \leq x < 360^\circ$

④ $8\sin x^\circ - 3 = 0$ $0^\circ \leq x < 360^\circ$

③ **cos is Length**



$$10\cos x + 3 - 3 = 0 - 3$$

$$\frac{10\cos x}{10} = \frac{-3}{10}$$

$$\cos x = -0.3$$

Making $\cos x$ Positive

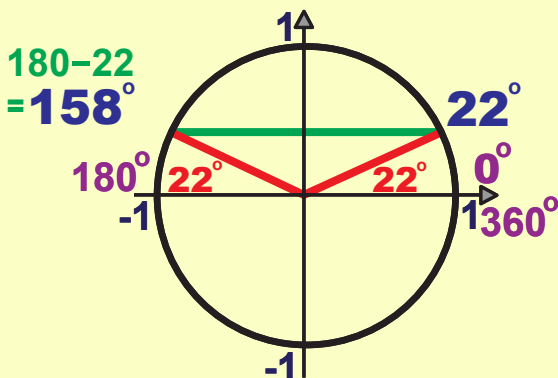
$$\cos x = 0.3$$

$$x = 72.5^\circ$$

$$x = 107.5^\circ$$

$$x = 252.5^\circ$$

④ **sin is Height**



$$8\sin x - 3 + 3 = 0 + 3$$

$$\frac{8\sin x}{8} = \frac{3}{8}$$

$$\sin x = 0.375$$

$$x = 22^\circ$$

$$x = 22^\circ$$

$$x = 158^\circ$$