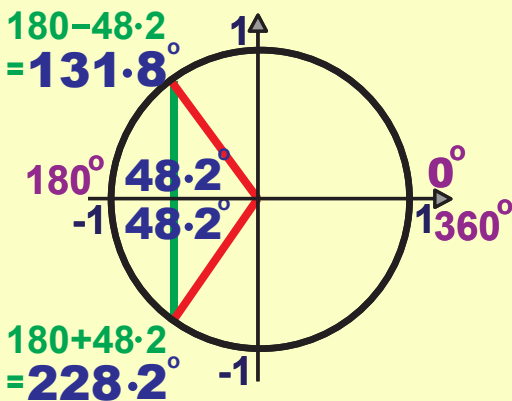


Find x in the following:

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

④ $5 \sin x^\circ - 2 = 0$ $0^\circ \leq x < 360^\circ$

③ \cos is Length



$$3 \cos x + 2 - 2 = 0 - 2$$

$$\frac{3 \cos x}{3} = \frac{-2}{3}$$

$$\cos x = -0.667$$

Making $\cos x$ Positive

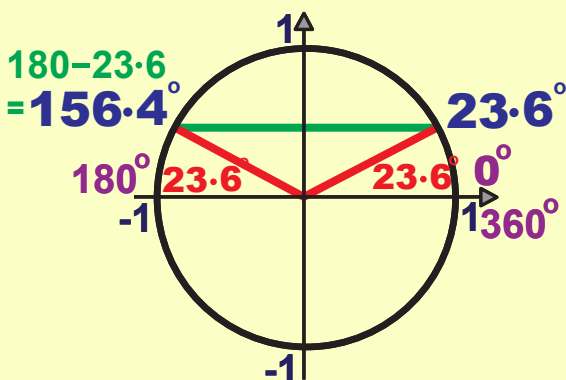
$$\cos x = 0.667$$

$$x = 48.2^\circ$$

$$x = 131.8^\circ$$

$$x = 228.2^\circ$$

④ \sin is Height



$$5 \sin x - 2 + 2 = 0 + 2$$

$$\frac{5 \sin x}{5} = \frac{2}{5}$$

$$\sin x = 0.4$$

$$x = 23.6^\circ$$

$$x = 23.6^\circ$$

$$x = 156.4^\circ$$