

1.

$$\cos\left(\frac{3\pi}{2} - x\right) = \frac{1}{2}$$

2.

$$\operatorname{tg}\left(\frac{3\pi}{2} + x\right) = -\sqrt{3}$$

3.

$$\sin\left(\frac{\pi}{3} + x\right) - \frac{1}{2} = 0$$

4.

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