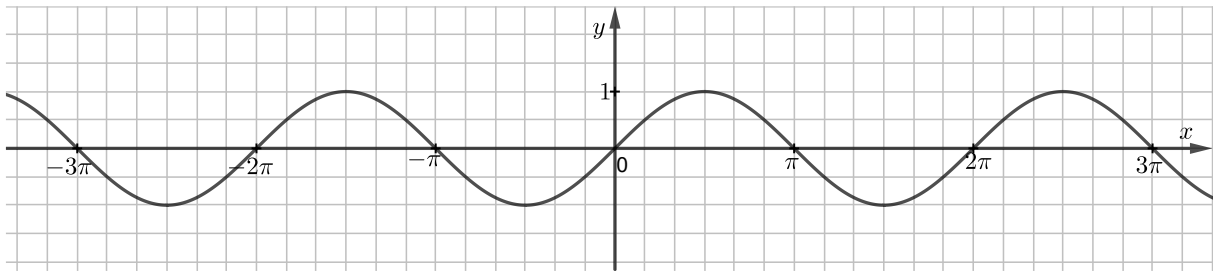


Solve for x the following trigonometric equations with x in the given set.

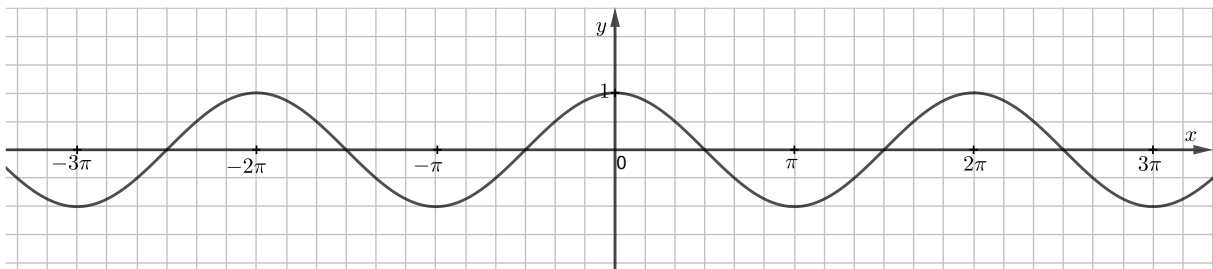
(1.1) $\sin(x) = \frac{1}{2}$

$x \in \mathbb{R}$



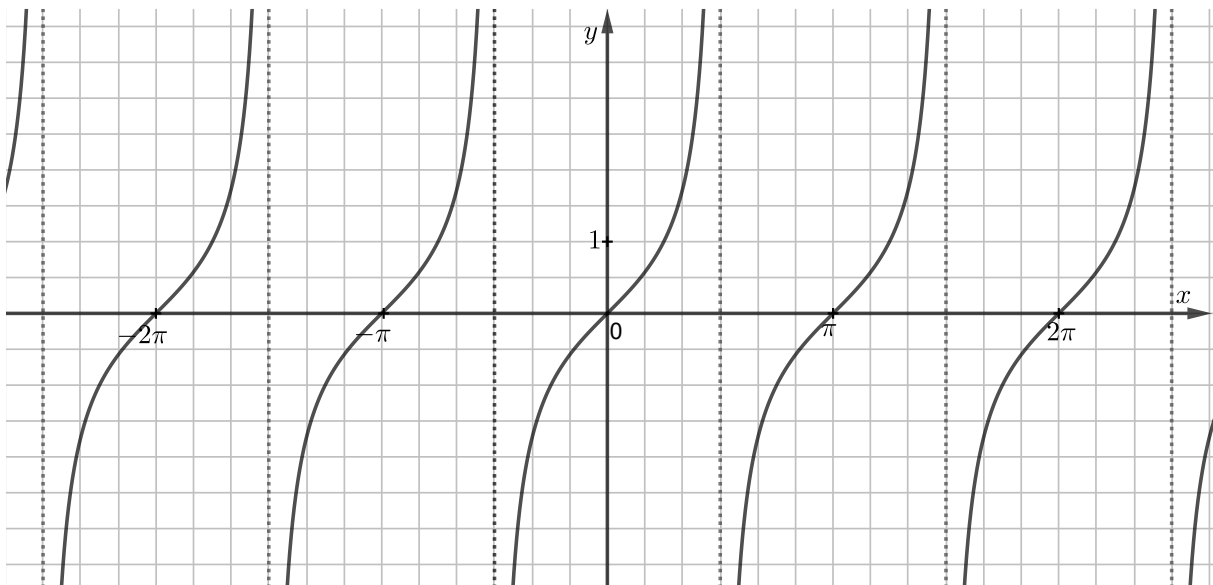
(1.2) $\cos(x) = \frac{\sqrt{2}}{2}$

$x \in [-\pi, 2\pi]$



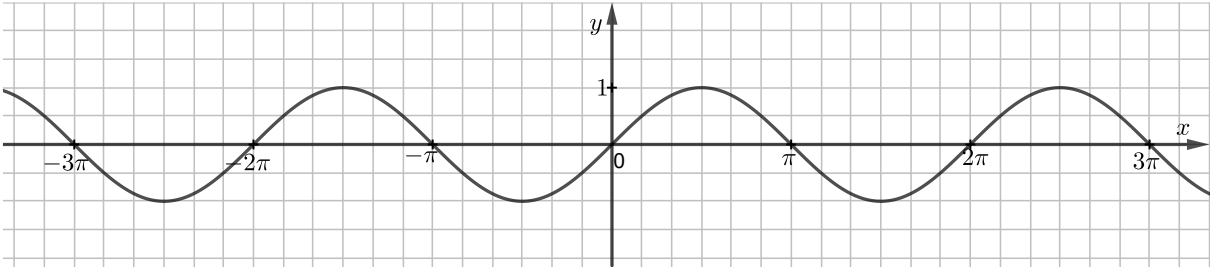
(1.3) $\tan^2(x) = 3$

$x \in \left(-\frac{\pi}{2}, \frac{\pi}{2}\right)$

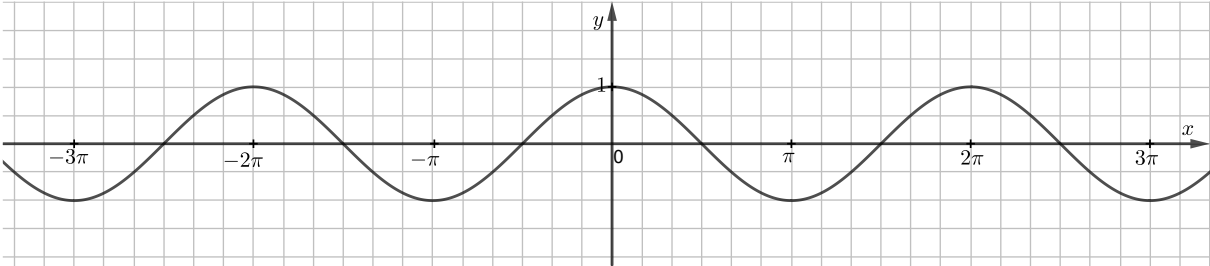


Solve for x the following trigonometric equations with x in the given set.

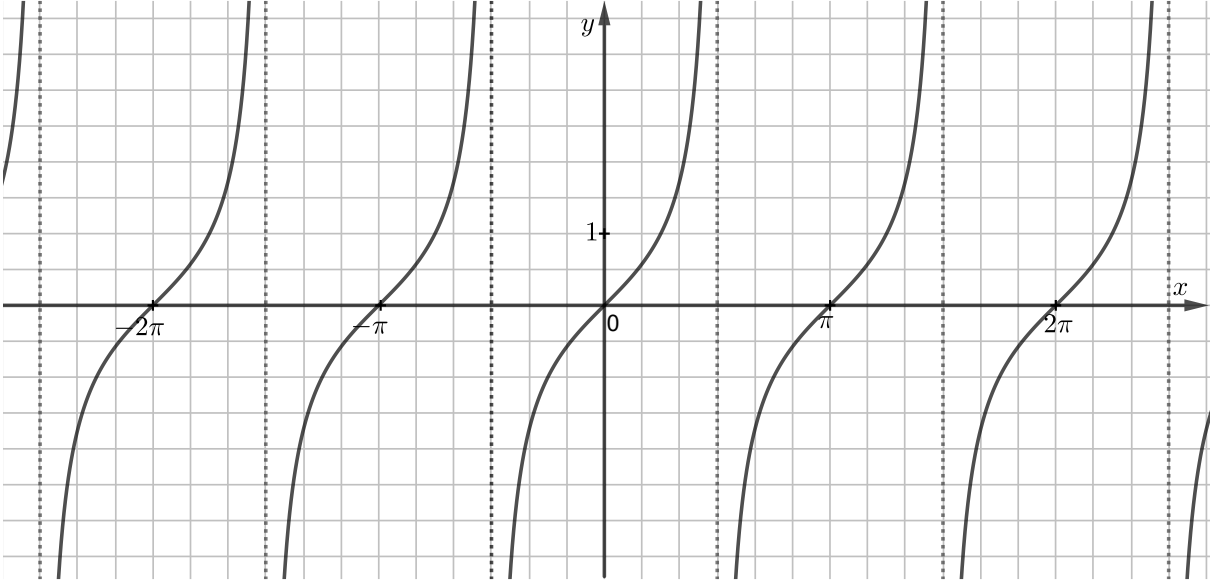
(2.1) $\sin^2(x) = \frac{3}{4}$ $x \in [-\pi, \pi]$



(2.1) $\cos(x) = \frac{\sqrt{3}}{2}$ $x \in R$



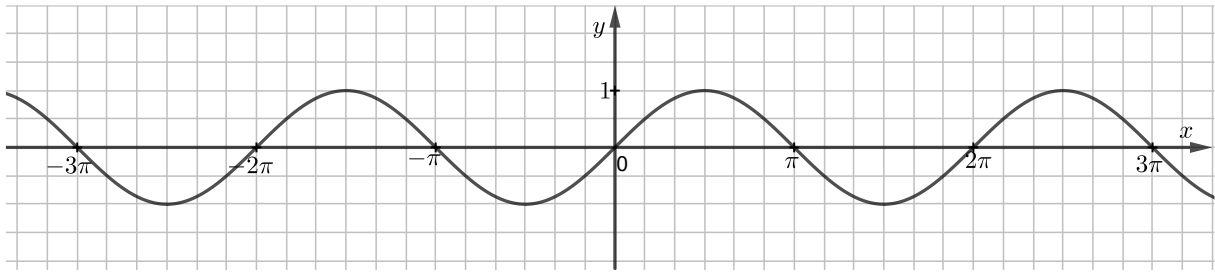
(2.3) $\tan(x) = 1$ $x \in \left(-\frac{\pi}{2}, \frac{\pi}{2}\right)$



Solve for x the following trigonometric equations with x in the given set.

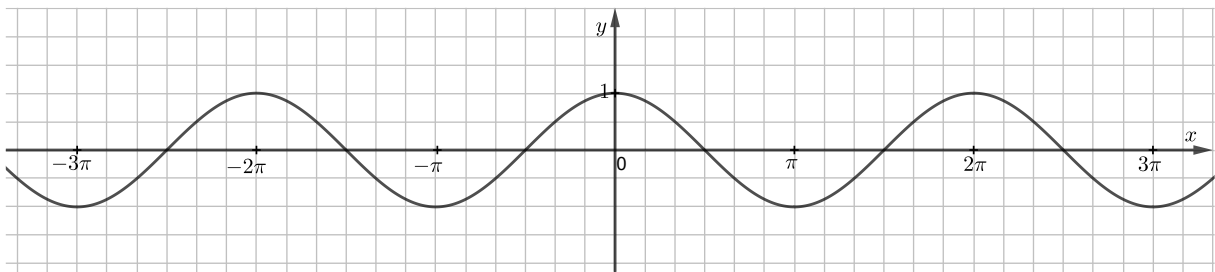
$$(3.1) \sin(x) = \frac{\sqrt{3}}{2}$$

$$x \in [0, 2\pi]$$



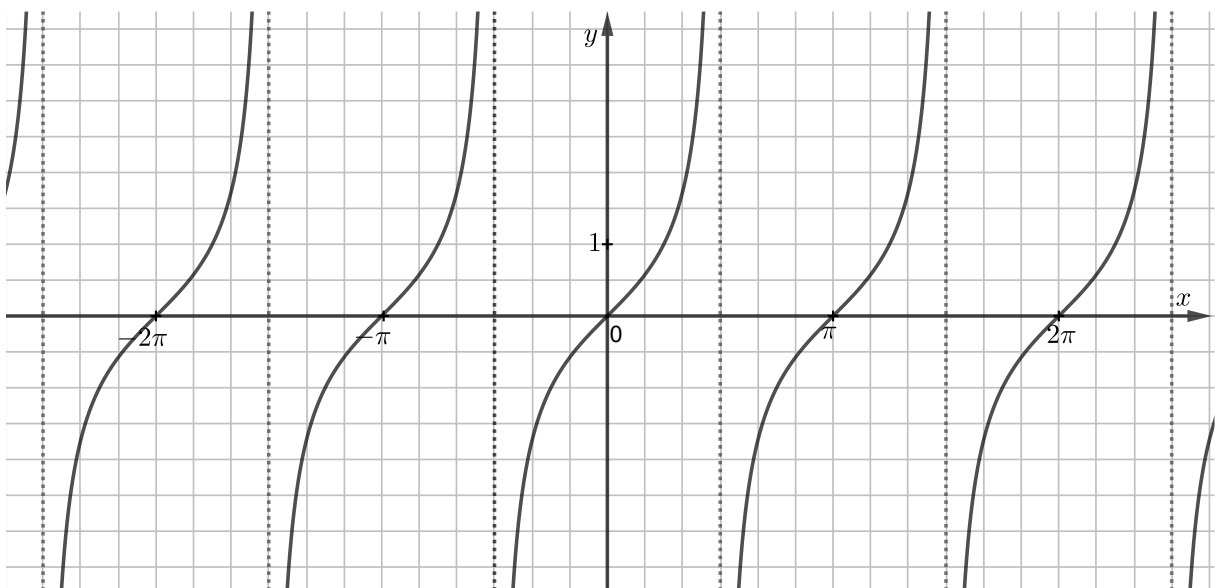
$$(3.2) |\cos(x)| = \frac{\sqrt{2}}{2}$$

$$x \in \mathbb{R}$$



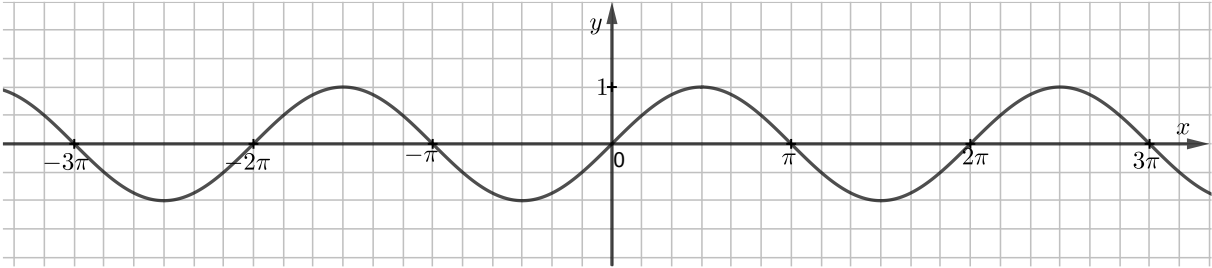
$$(3.3) \tan(x) = \frac{\sqrt{3}}{3}$$

$$x \in \left(-\frac{\pi}{2}, \frac{\pi}{2}\right)$$

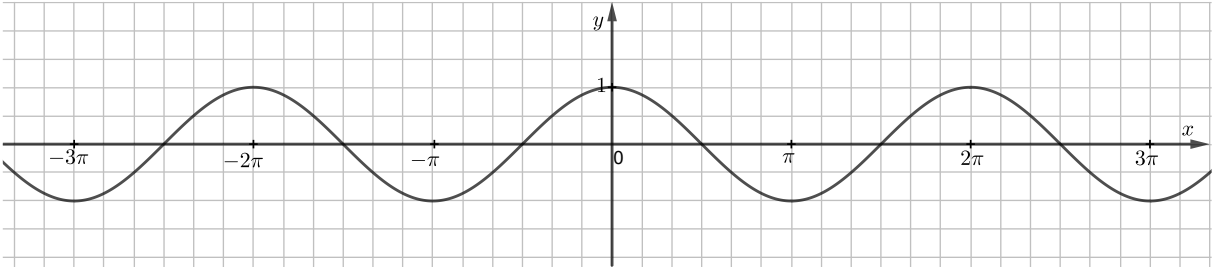


Solve for x the following trigonometric equations with x in the given set.

(4.1) $\sin(x) = -1$ $x \in R$



(4.2) $\cos^2(x) = \frac{1}{2}$ $x \in [-\pi, \pi]$



(4.3) $|\tan(x)| = \frac{\sqrt{3}}{3}$ $x \in R$

