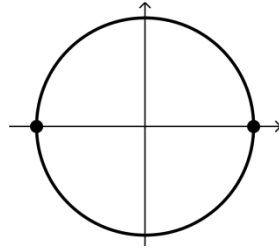


Trigonometrinen perusyhtälöiden ratkaisuja yksikköympyrän avulla

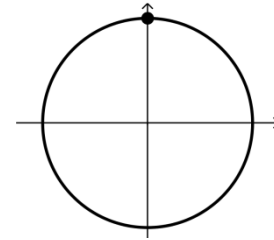
$$\sin x = 0$$

$$x = n\pi$$



$$\sin x = 1$$

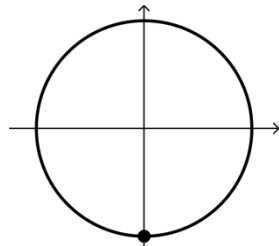
$$x = \frac{\pi}{2} + n2\pi$$



$$\sin x = -1$$

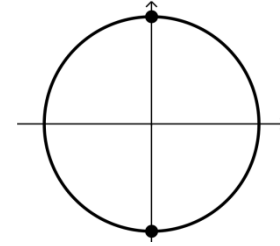
$$x = -\frac{\pi}{2} + n2\pi$$

$$\text{tai } x = \frac{3}{2}\pi + n2\pi$$



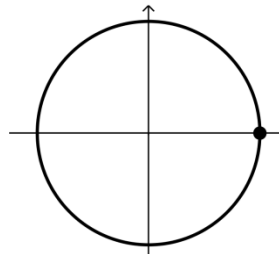
$$\cos x = 0$$

$$x = \frac{\pi}{2} + n\pi$$



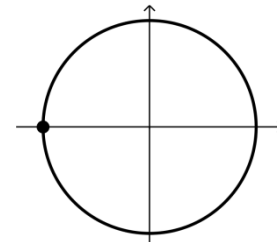
$$\cos x = 1$$

$$x = n2\pi$$



$$\cos x = -1$$

$$x = \pi + n2\pi$$



Kaikissa ratkaisussa $n \in \mathbb{Z}$.