

$$\operatorname{tg}x = \sqrt{3}$$

$$x = \pi/3 + 2\pi n, n \in \mathbb{Z}$$

$$x = 4\pi/3 + 2\pi n, n \in \mathbb{Z}$$

$$x = \pi/3 + \pi n, n \in \mathbb{Z}$$

$$\operatorname{ctg}x = -1/2$$

$$x = \operatorname{arccctg}(-1/2) + 2\pi n, n \in \mathbb{Z}$$

$$x = \pi + \operatorname{arccctg}(-1/2) + 2\pi n, n \in \mathbb{Z}$$

$$x = \operatorname{arccctg}(-1/2) + \pi n, n \in \mathbb{Z}$$

$$\operatorname{tg}x = 0$$

$$x = 2\pi n, n \in \mathbb{Z}$$

$$x = \pi + 2\pi n, n \in \mathbb{Z}$$

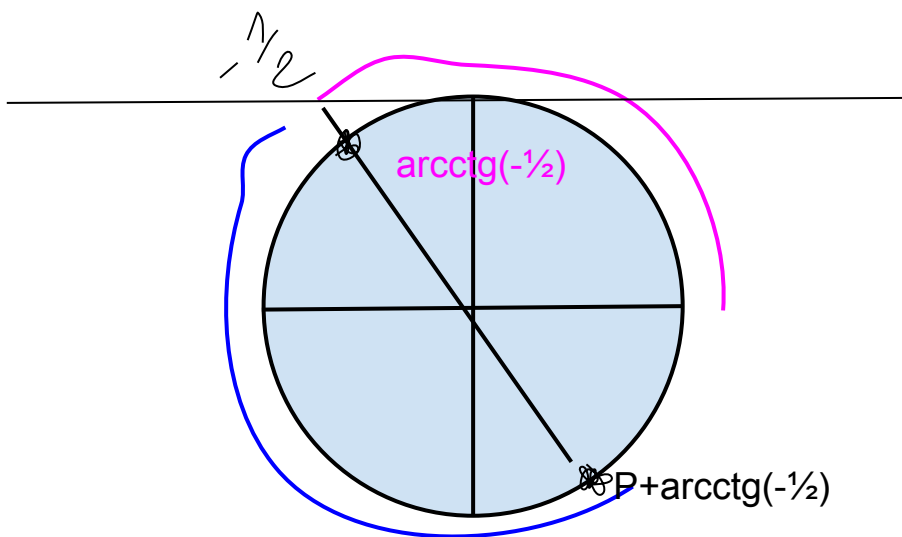
$$x = \pi n, n \in \mathbb{Z}$$

$$\operatorname{ctg}x = 0$$

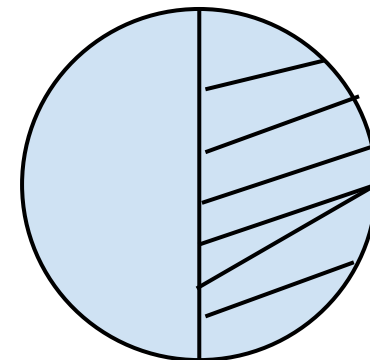
$$x = \pi/2 + 2\pi n, n \in \mathbb{Z}$$

$$x = 3\pi/2 + 2\pi n, n \in \mathbb{Z}$$

$$x = \pi/2 + \pi n, n \in \mathbb{Z}$$



$\operatorname{arccctg}(x)$



$\operatorname{arccctg}(x)$

