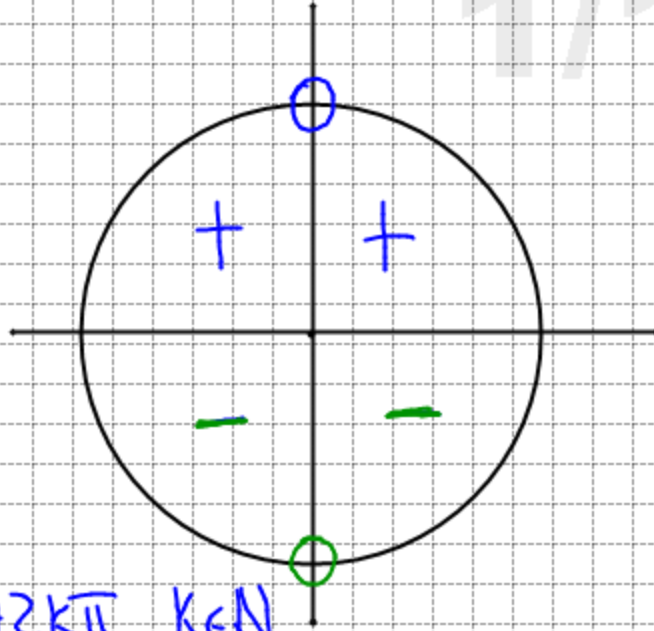


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$$|\sin x| = 1$$

$$\sin x \geq 0$$



$$\text{se } 0 + 2k\pi \leq x \leq \pi + 2k\pi \quad k \in \mathbb{N}$$

$$\sin x = 1 \Rightarrow$$

$$x = \frac{\pi}{2} + 2k\pi \quad k \in \mathbb{N}$$

$$\text{se } \pi + 2k\pi \leq x \leq 2\pi + 2k\pi \quad k \in \mathbb{N}$$

$$-\sin x = 1 \Rightarrow \sin x = -1 \Rightarrow$$

$$x = \frac{3\pi}{2} + 2k\pi \quad k \in \mathbb{N}$$

$$\text{Sol: } x = \frac{\pi}{2} + k\pi \quad k \in \mathbb{N}$$