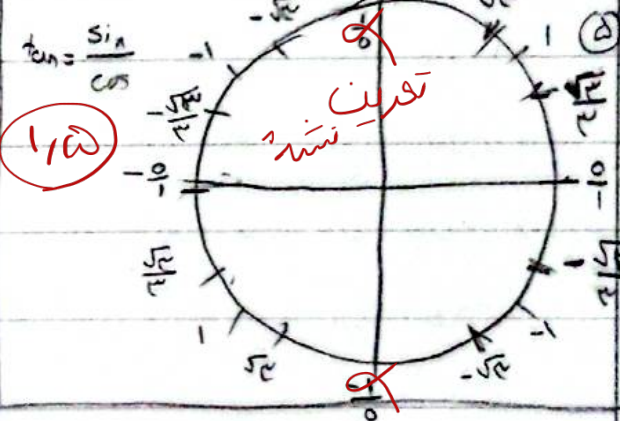
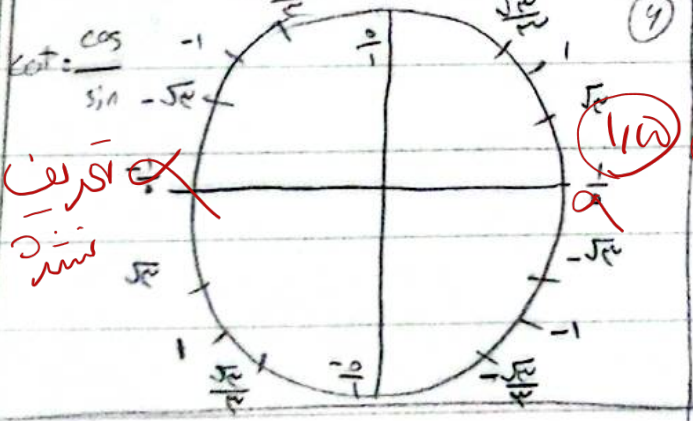
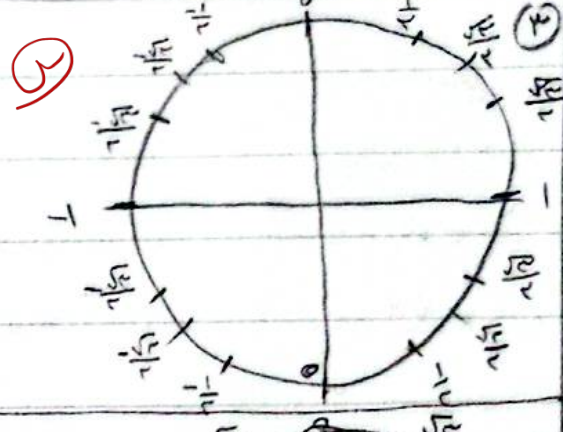
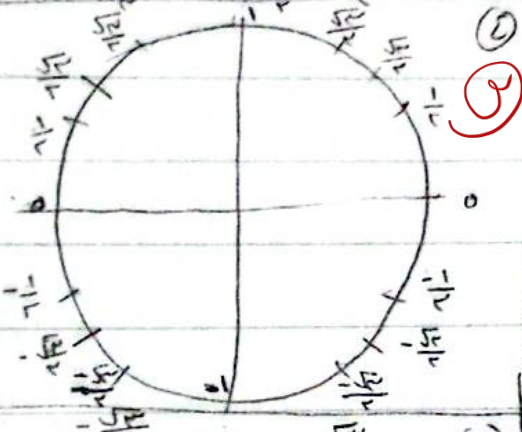
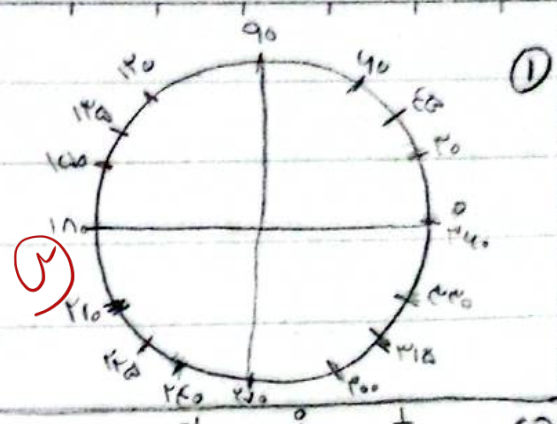
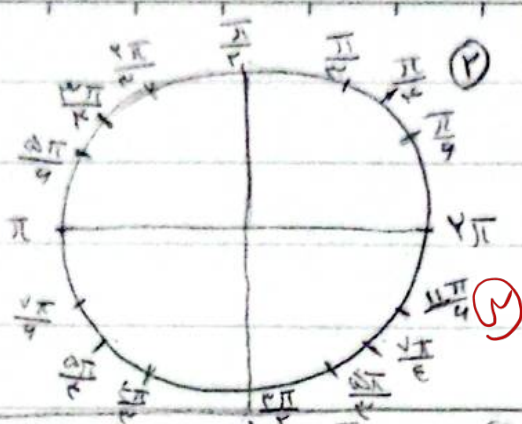


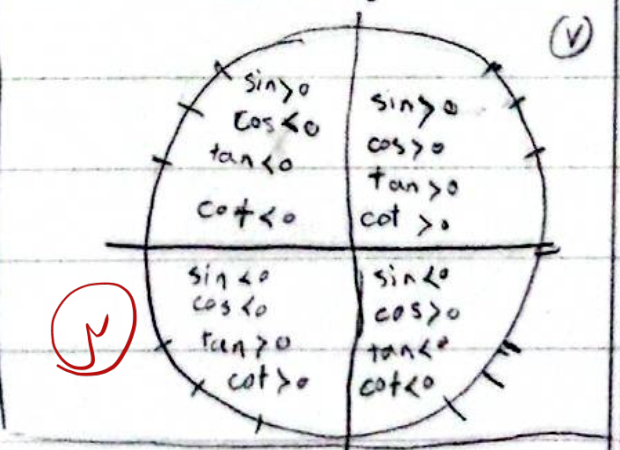


$$\cot = \frac{\cos}{\sin}$$

تعریف
نسبت

$$\tan = \frac{\sin}{\cos}$$

تعریف
نسبت



Hashtag.

H A S H T A G

$$\text{ا) } \sin x = \sin 120 \rightarrow \sin 120 = \frac{\sqrt{3}}{2} = \sin x \rightarrow \quad (1)$$

$$x = 40$$

$$\text{ب) } \cos x = \cos 120 \rightarrow \cos 120 = -\frac{\sqrt{3}}{2} = \cos x \rightarrow x = 120$$

$$\text{ج) } \tan x = \tan 120 = -\frac{\sqrt{3}}{2} \rightarrow x = 120$$

$$\text{د) } \cot x = \cot 120 = -1 \rightarrow x = 120$$

$$\text{ا) } \frac{\pi}{4} = 45, \cos 45 = \frac{1}{\sqrt{2}} \rightarrow \frac{1}{\sqrt{2}} = \sin x = \frac{1}{\sqrt{2}} \quad (9)$$

$$\rightarrow x = 45, 135 = \frac{\pi}{4}, \frac{3\pi}{4}$$

$$\text{ب) } \frac{11\pi}{4} = 315, \cos 315 = \frac{\sqrt{2}}{2} \rightarrow \frac{\sqrt{2}}{2} = \sin x = \frac{\sqrt{2}}{2}$$

$$\rightarrow x = 315, 225 \rightarrow x = \frac{5\pi}{4}, \frac{3\pi}{2}$$

$$\text{ا) } \cot \frac{\sqrt{\pi}}{2} = \cos x, \frac{\sqrt{\pi}}{2} = 120 \rightarrow \cot 120 = -1 \quad (10)$$

$$\cos x = -1 \rightarrow x = 120$$

$$\text{ب) } \cos 120 = -\frac{\sqrt{3}}{2} \rightarrow \frac{\sqrt{3}}{2} = \sin x \rightarrow x = 40, 120$$