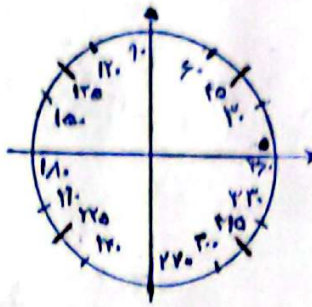
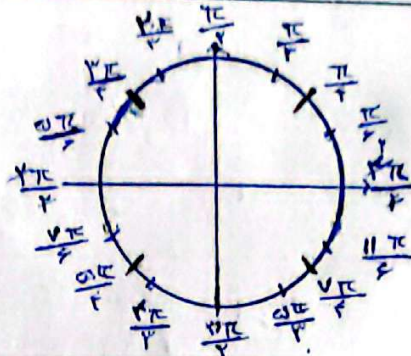
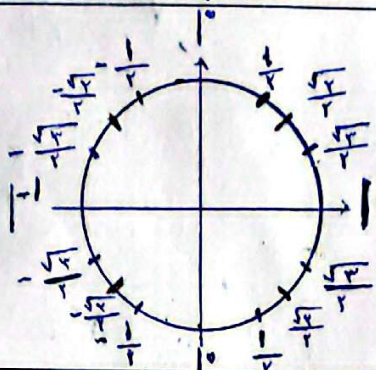




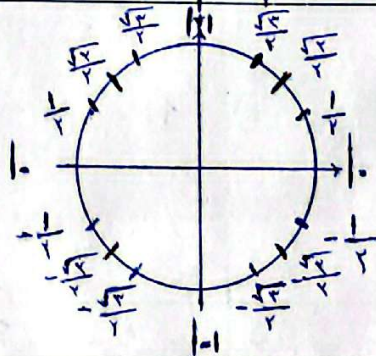
درجه



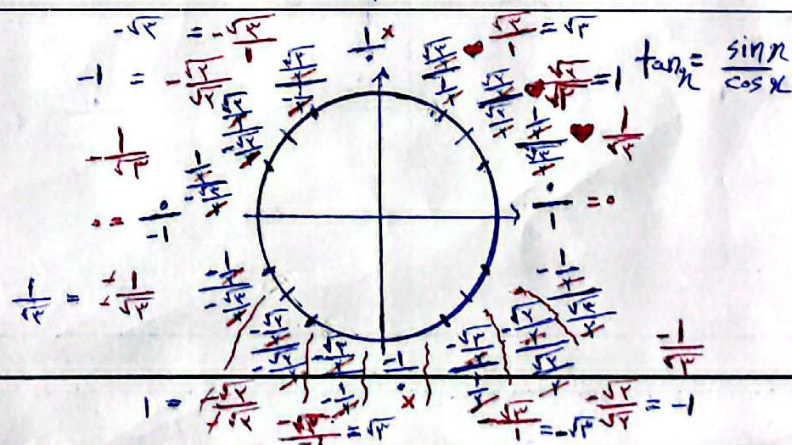
رادیان

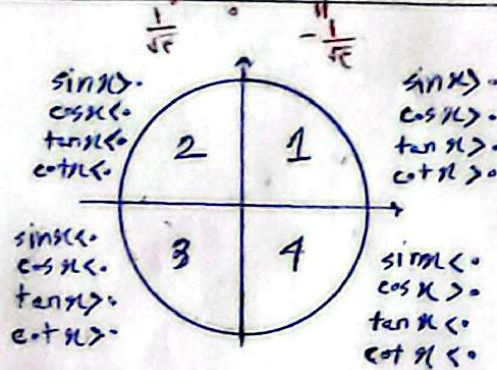
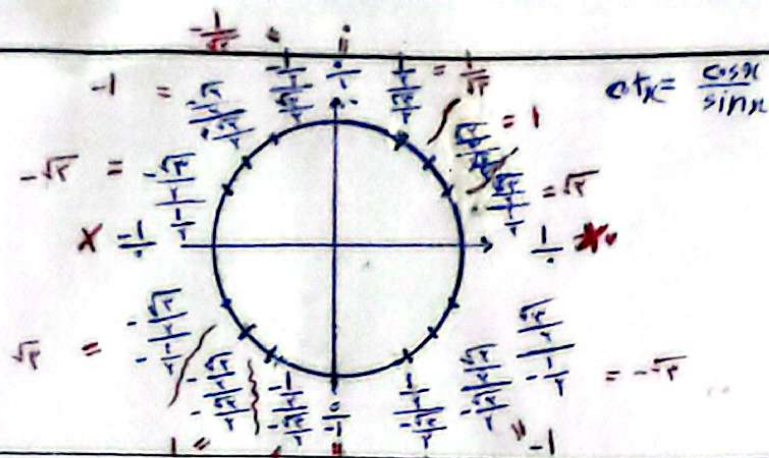


$\cos x$



$\sin x$





$$\cos 120^\circ = -\frac{\sqrt{3}}{2}$$

↓
 $\cos 120^\circ = -\frac{\sqrt{3}}{2} \Rightarrow \cos 60^\circ = \frac{\sqrt{3}}{2}$

(ب)

$$\sin 120^\circ = \frac{\sqrt{3}}{2}$$

↓
 $\sin 120^\circ = \frac{\sqrt{3}}{2} \Rightarrow \sin 60^\circ = \frac{\sqrt{3}}{2}$

$$\cot 120^\circ = \frac{\cos 120^\circ}{\sin 120^\circ} = -1$$

↓
 $\cot 120^\circ = -1 \Rightarrow \cot 60^\circ = \frac{1}{\sqrt{3}}$

(ج)

$$\tan 120^\circ = \frac{\sin 120^\circ}{\cos 120^\circ} = -\sqrt{3}$$

↓
 $\tan 120^\circ = -\sqrt{3} \Rightarrow \tan 60^\circ = \sqrt{3}$

$$\frac{11\pi}{6} = 330^\circ \Rightarrow \cos 330^\circ = \frac{\sqrt{3}}{2}$$

↓
 $\cos 330^\circ = \frac{\sqrt{3}}{2} \Rightarrow \cos 30^\circ = \frac{\sqrt{3}}{2}$

↓
 $\sin 330^\circ = -\frac{1}{2} \Rightarrow \sin 30^\circ = \frac{1}{2}$

(د)

$$\frac{7\pi}{6} = 210^\circ \Rightarrow \cos 210^\circ = -\frac{\sqrt{3}}{2}$$

↓
 $\cos 210^\circ = -\frac{\sqrt{3}}{2} \Rightarrow \cos 150^\circ = -\frac{\sqrt{3}}{2}$

↓
 $\sin 210^\circ = -\frac{1}{2} \Rightarrow \sin 150^\circ = \frac{1}{2}$

$$\cos 150^\circ = -\frac{\sqrt{3}}{2} \Rightarrow \cos 30^\circ = \frac{\sqrt{3}}{2}$$

↓
 $\sin 150^\circ = \frac{1}{2} \Rightarrow \sin 30^\circ = \frac{1}{2}$

(هـ)

$$\cot \frac{4\pi}{3} = \frac{\cos 240^\circ}{\sin 240^\circ} = -1$$

↓
 $\cot 240^\circ = -1 \Rightarrow \cot 120^\circ = -1$