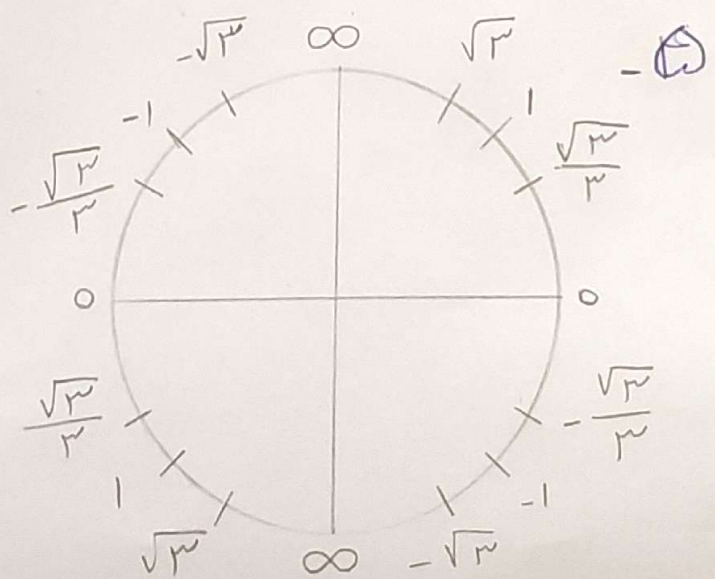
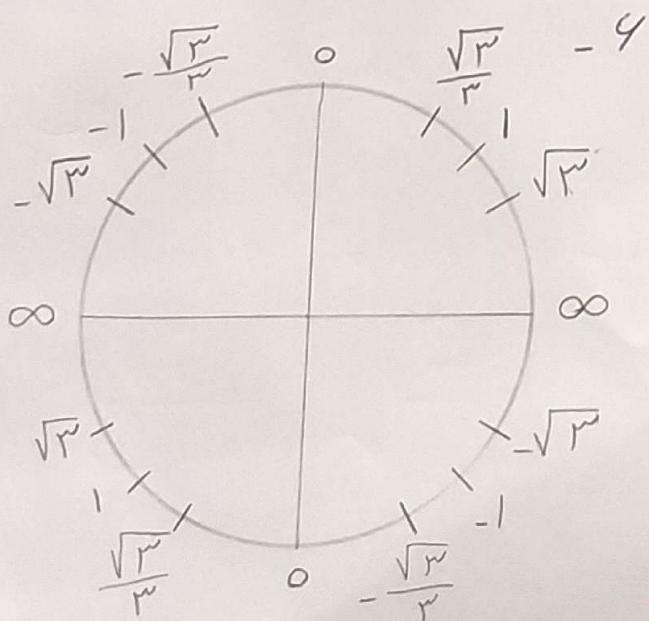
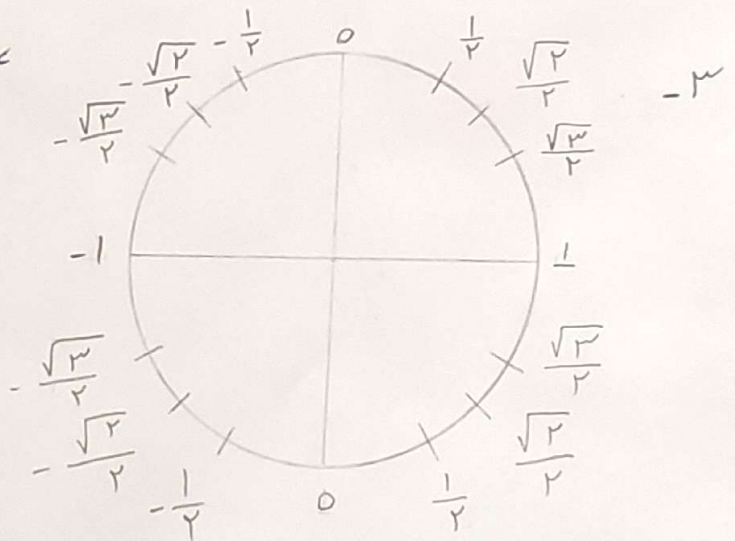
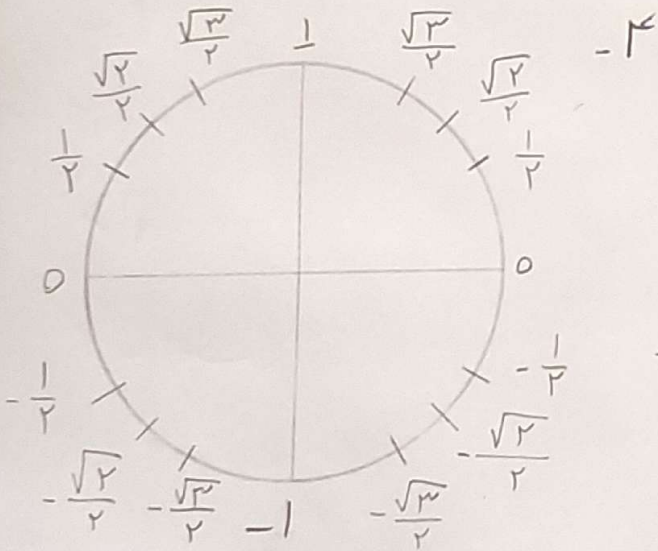
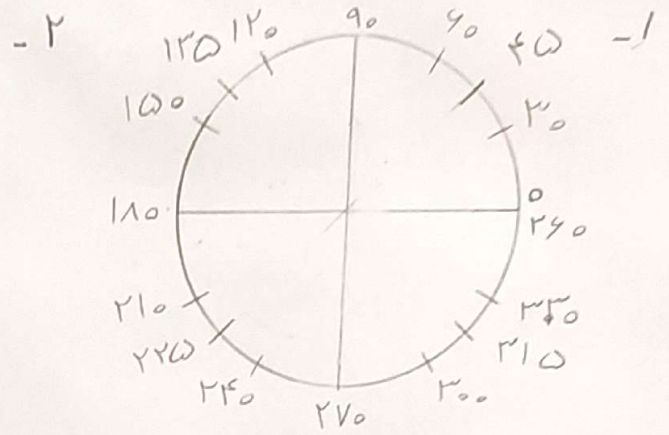
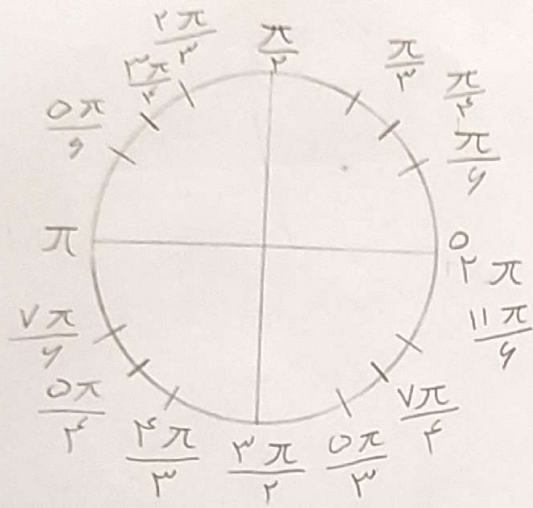




$$\cot \frac{\sqrt{3}\pi}{4} = -1 \quad (10-الف)$$

$$-1 = \cos 110^\circ$$

$$-\cos 10^\circ = \frac{\sqrt{3}}{2} \quad (ب)$$

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

-V

sin: -	sin: +
cos: +	cos: +
tan: -	tan: +
cot: -	cot: +
sin: -	sin: +
cos: -	cos: -
tan: +	tan: +
cot: +	cot: +

$$1-الف) زاویه 60^\circ، هردو برابر \frac{\sqrt{3}}{2}$$

$$ب) زاویه 210^\circ، هردو برابر -\frac{\sqrt{3}}{2}$$

$$ج) زاویه 150^\circ، هردو برابر -\frac{\sqrt{3}}{2}$$

$$د) زاویه 225^\circ، هردو برابر -1$$

$$9-الف) \cos \frac{2\pi}{3} = -\frac{1}{2}$$

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

$$\downarrow$$

$$\frac{\pi}{6}$$

$$\downarrow$$

$$\frac{5\pi}{6}$$

$$\cos \frac{11\pi}{6} = \frac{\sqrt{3}}{2}$$

(ب)

$$\frac{\sqrt{3}}{2} = \sin 60^\circ, \sin 300^\circ$$

$$\downarrow$$

$$\frac{\pi}{3}$$

$$\downarrow$$

$$\frac{5\pi}{3}$$