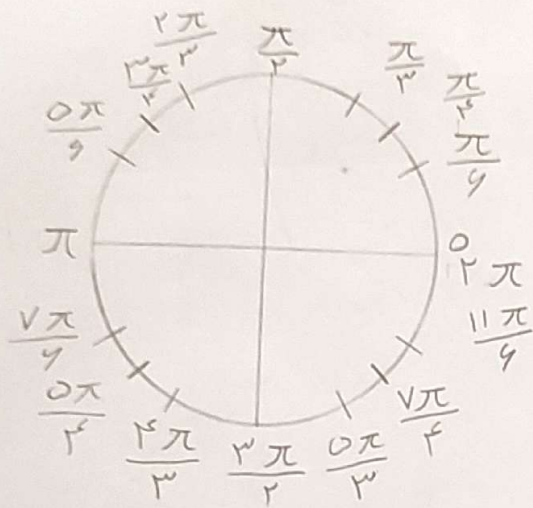
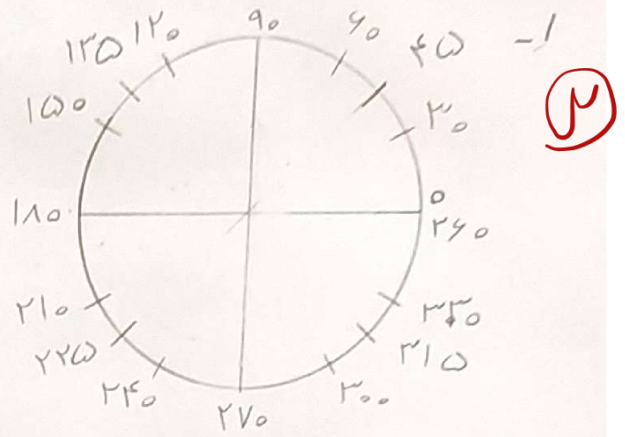
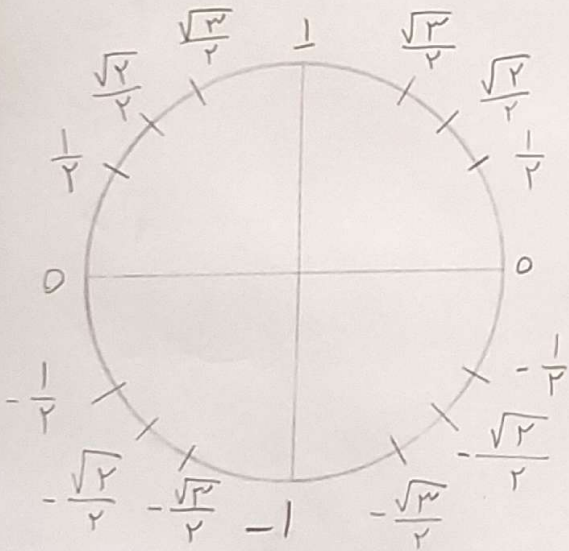




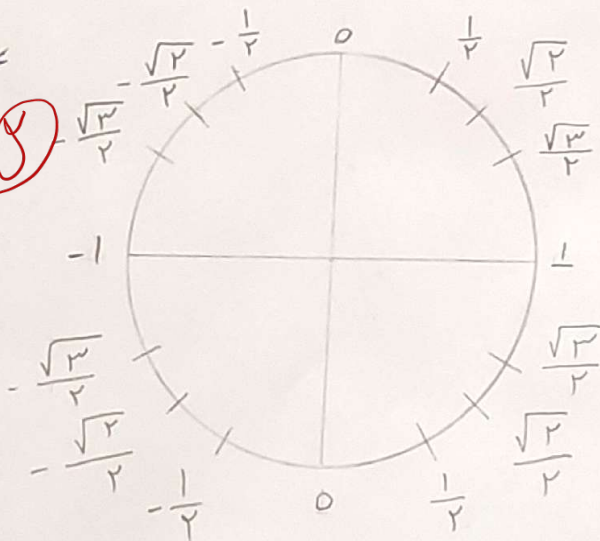
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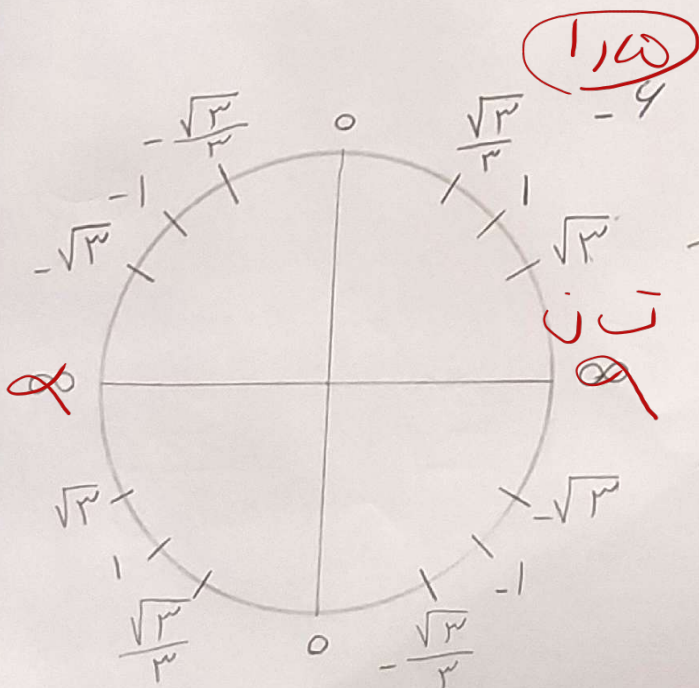
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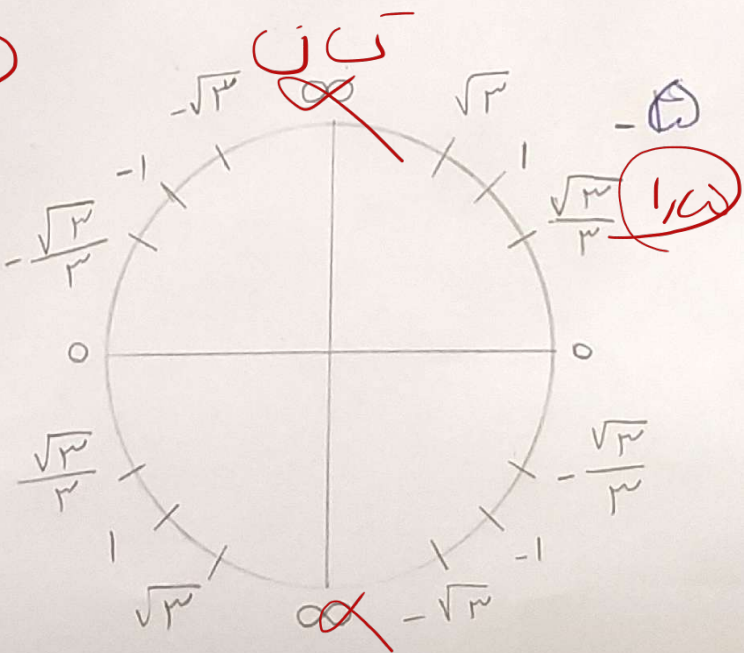
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$$\cot \frac{\sqrt{3}\pi}{4} = -1 \quad (10 - \text{الف})$$

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

(2)

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

$$\frac{\sqrt{3}}{2} = \sin 90^\circ, \sin 120^\circ$$

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

-V

(2)

(الف) زاویه 90° ، هردو برابر $\frac{\sqrt{3}}{2}$ (1/5)

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

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

(د) زاویه 225° ، هردو برابر -1

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

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

$$\downarrow$$

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

$$\downarrow$$

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

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

(ب)

$$\frac{\sqrt{3}}{2} = \sin 90^\circ, \sin 300^\circ$$

$$\downarrow$$

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

$$\downarrow$$

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