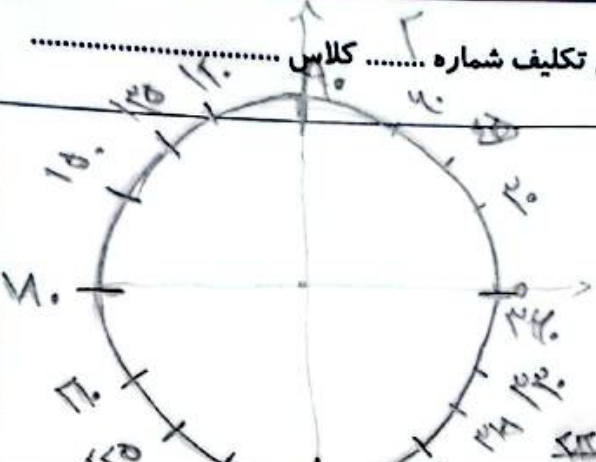
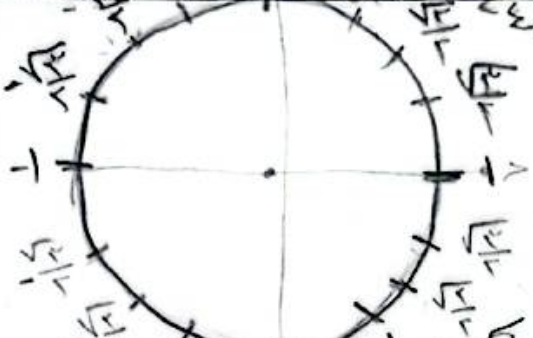
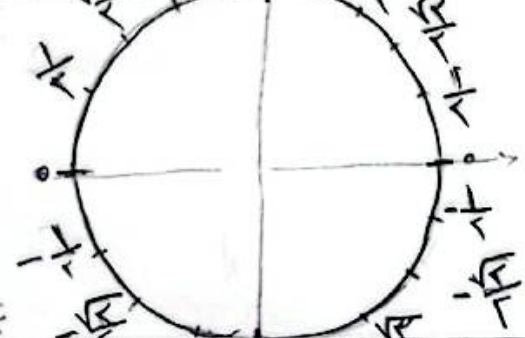
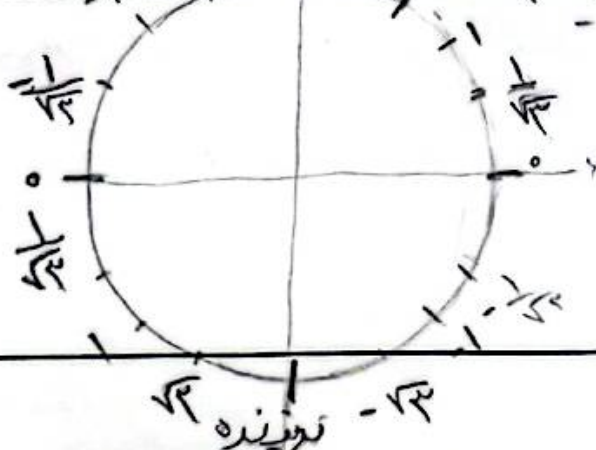


فاطمه موسوی

نام و نام خانوادگی

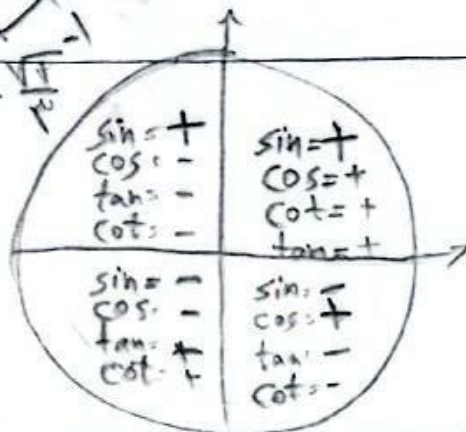
پاسخنامه تشریحی تکلیف شماره کلاس

	1
	2
	3
	4
 تیریزده ۱۴	5

$$\tan \alpha = \frac{\sin \alpha}{\cos \alpha} = \frac{1}{\frac{1}{\sqrt{2}}}$$

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

٦



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$$\sin(150^\circ) = \frac{\sqrt{3}}{2}$$

$$\cos(150^\circ) = -\frac{1}{2}$$

$$\tan = -\frac{\sqrt{3}}{1}$$

$$\cot = -1$$

الف (٢٠)

ب (٢١)

ج (١٥)

د (١٥)

٨

$$\cos \frac{5\pi}{4} = -\frac{1}{2} \rightarrow +\frac{1}{2} \xrightarrow{\sin} 30^\circ \text{ و } 150^\circ \Rightarrow \frac{\pi}{4} \text{ و } \frac{3\pi}{4}$$

نصف اول دوم

$$\cos \frac{11\pi}{4} = \frac{\sqrt{2}}{2} \rightarrow \frac{\sqrt{2}}{2} \xrightarrow{\sin} 45^\circ \text{ و } 315^\circ \Rightarrow \frac{\pi}{4} \text{ و } \frac{7\pi}{4}$$

نصف اول و نصف اول

الف

ب

٩

$$\frac{\sqrt{2}}{2} = \sin 45^\circ = \cos 45^\circ$$

الف

١٠

$$\cos 150^\circ = -\frac{\sqrt{3}}{2} \rightarrow \frac{\sqrt{3}}{2} \xrightarrow{\sin} 60^\circ \text{ و } 120^\circ$$

ب