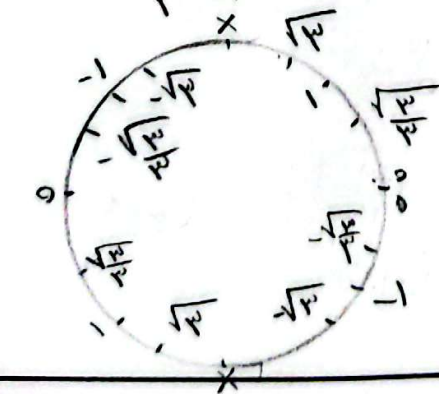
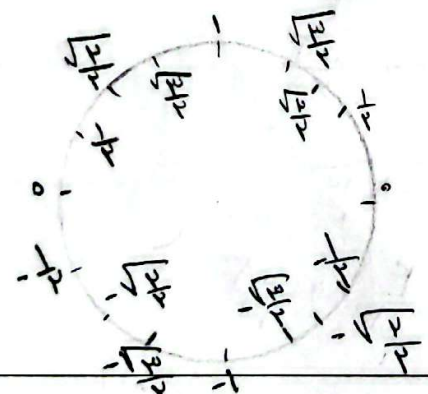
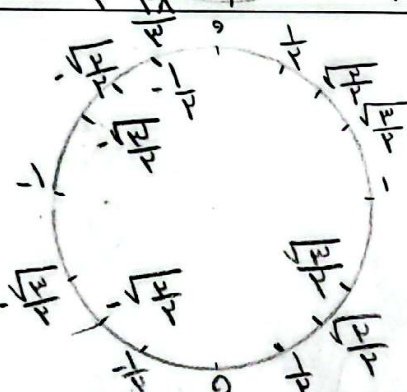
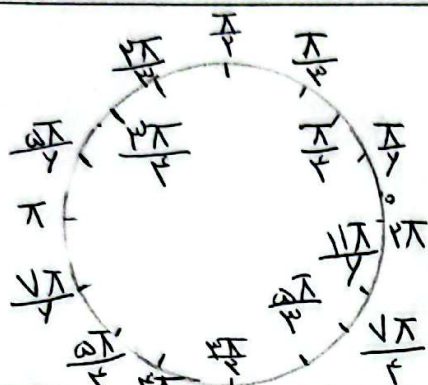
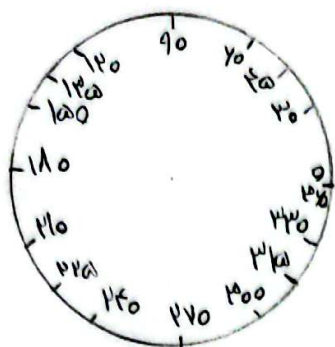
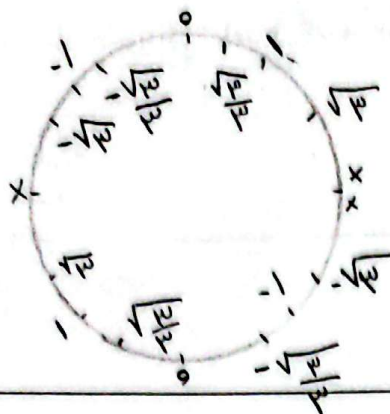
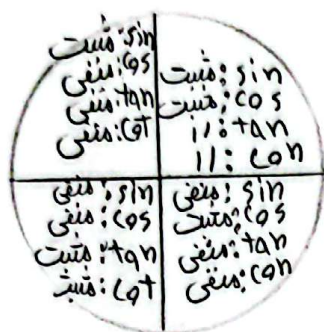


نام و نام خانوادگی: پاسبان پاسبان پاسخنامه تشریحی تکلیف شماره کلاس: دبیر: B





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$$\begin{aligned} \sin 120^\circ &= \frac{\sqrt{3}}{2} = \sin 60^\circ \\ \cos 120^\circ &= -\frac{1}{2} = \cos 240^\circ \\ \tan 330^\circ &= -\frac{1}{\sqrt{3}} = \tan 210^\circ \\ \cot 150^\circ &= -1 = \cot 330^\circ \end{aligned}$$

(الف)
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(ج)
(د)

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$$\begin{aligned} \cos \frac{2\pi}{3} &= -\frac{1}{2} \Rightarrow \text{قریب} = \frac{1}{2} \\ \sin ? &= \frac{1}{2} \Rightarrow ? = \frac{\pi}{6} \text{ و } \frac{5\pi}{6} \end{aligned}$$

(الف)

$$\begin{aligned} \cos \frac{11\pi}{6} &= \frac{\sqrt{3}}{2} \Rightarrow \text{قریب} = -\frac{\sqrt{3}}{2} \\ \sin ? &= \frac{\sqrt{3}}{2} \Rightarrow ? = \frac{2\pi}{3} \text{ و } \frac{4\pi}{3} \end{aligned}$$

(ب)

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$$\cot \frac{\sqrt{\pi}}{4} = -1$$

(الف)

$$\sin ? = -1 \Rightarrow ? = 180^\circ$$

$$\begin{aligned} \cos 150^\circ &= -\frac{\sqrt{3}}{2} = \text{قریب} = \frac{\sqrt{3}}{2} \\ \sin ? &= \frac{\sqrt{3}}{2} \Rightarrow ? = 60^\circ, 120^\circ \end{aligned}$$

(ب)

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