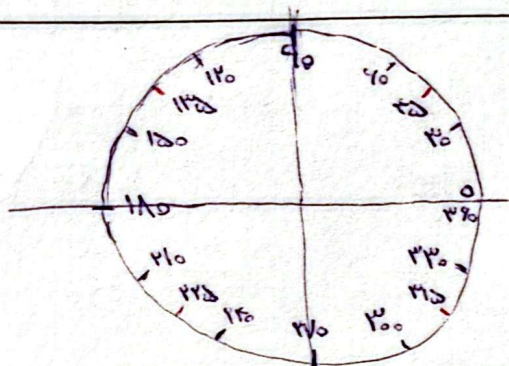
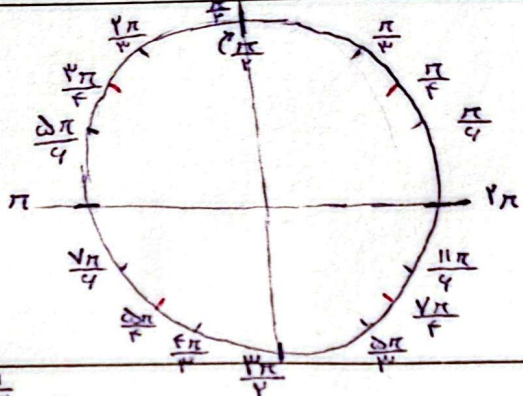


نام و نام خانوادگی: پاسنامه تشریحی تکلیف شماره ۲ کلاس: دبیر: A



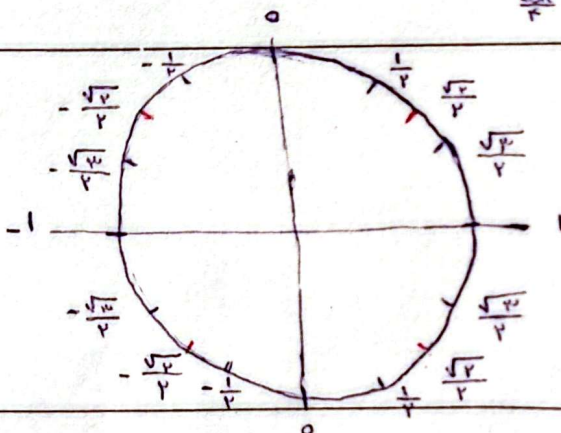
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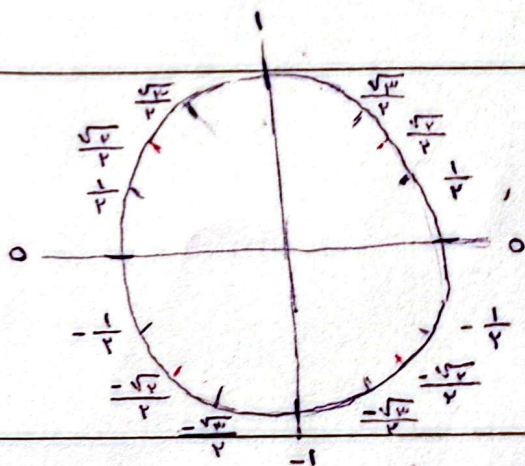
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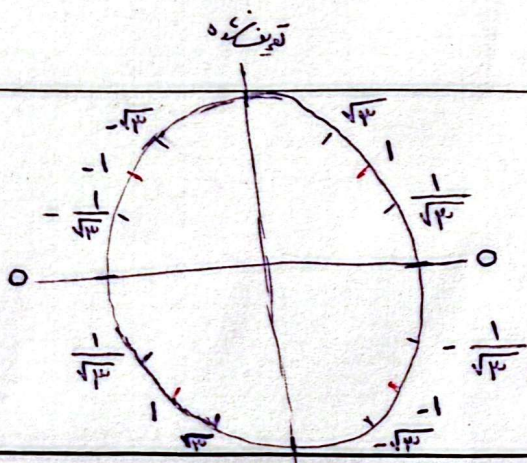
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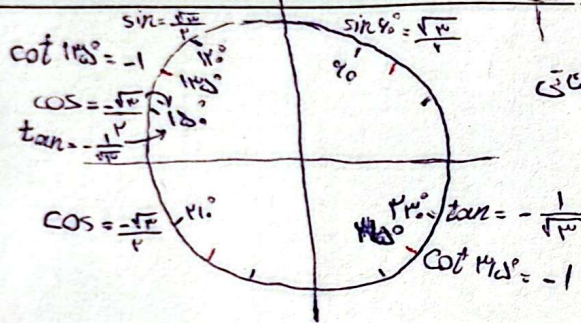
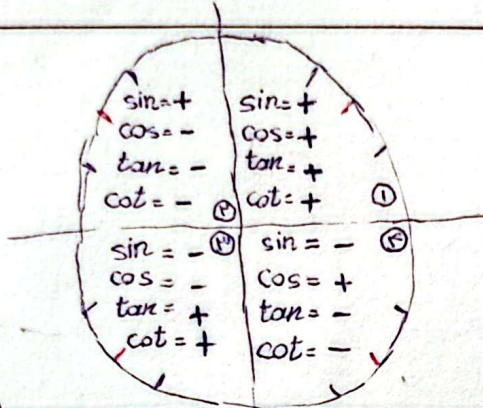
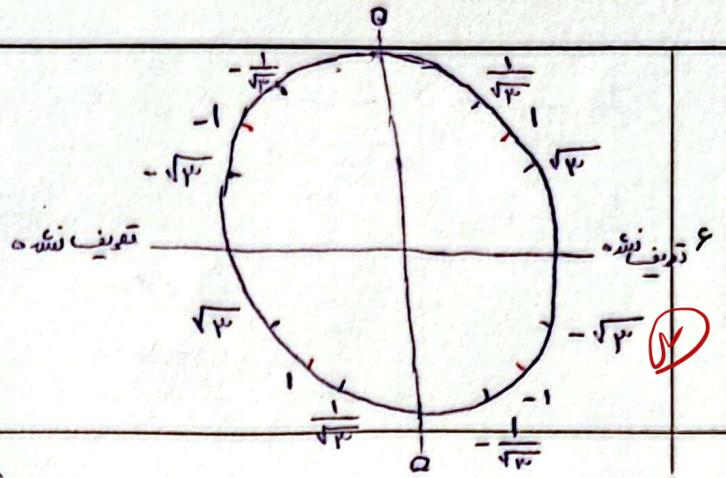
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$$\tan = \frac{\sin}{\cos}$$

تعریف شده

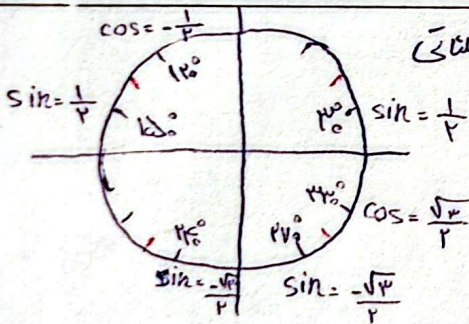
$$\cot = \frac{\cos}{\sin}$$



خطیات

$$\begin{aligned} \sin 30^\circ &= \frac{\sqrt{3}}{2} \\ \sin 45^\circ &= \frac{\sqrt{2}}{2} \\ \cos 30^\circ &= \frac{\sqrt{3}}{2} \\ \cos 45^\circ &= \frac{\sqrt{2}}{2} \\ \tan 30^\circ &= \frac{1}{\sqrt{3}} \\ \tan 45^\circ &= 1 \\ \cot 30^\circ &= \sqrt{3} \\ \cot 45^\circ &= 1 \end{aligned}$$

(الف) 90°
(ب) 45°
(ج) 30°
(د) 15°



خطیات

$$\begin{aligned} \cos \frac{\pi}{3} &= \cos 60^\circ = \frac{1}{2} \Rightarrow \frac{\pi}{3} \\ \sin \frac{\pi}{3} &= \frac{\sqrt{3}}{2} \Rightarrow \frac{\pi}{3} \\ \sin 120^\circ &= \frac{\sqrt{3}}{2} \Rightarrow \frac{2\pi}{3} \\ \cos \frac{11\pi}{6} &= \cos 330^\circ = \frac{\sqrt{3}}{2} \Rightarrow \frac{11\pi}{6} \\ \sin \frac{11\pi}{6} &= -\frac{1}{2} \Rightarrow \frac{11\pi}{6} \\ \sin \frac{7\pi}{6} &= -\frac{1}{2} \Rightarrow \frac{7\pi}{6} \end{aligned}$$

(الف) $\frac{5\pi}{6}, \frac{7\pi}{6}$

(ب) $\frac{4\pi}{3}, \frac{5\pi}{3}$

(الف) 180°

(ب) $90^\circ, 270^\circ$