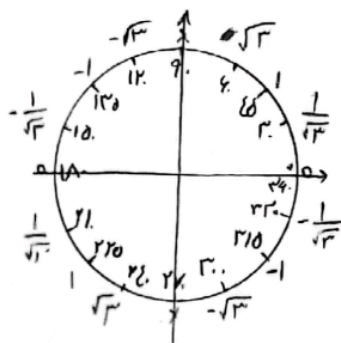
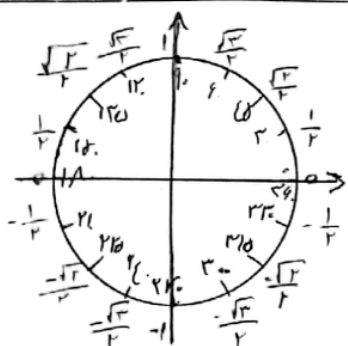
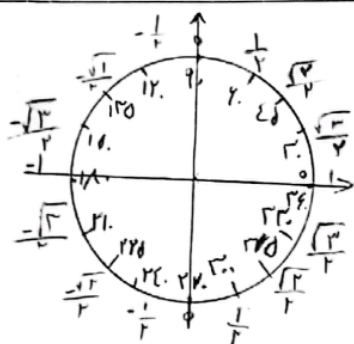
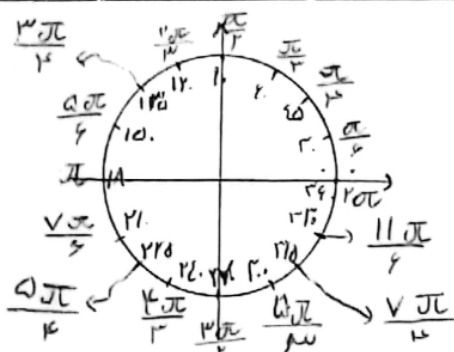
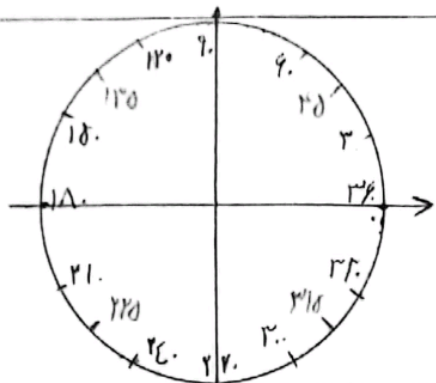
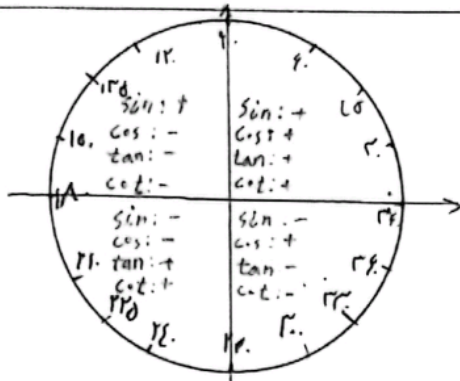
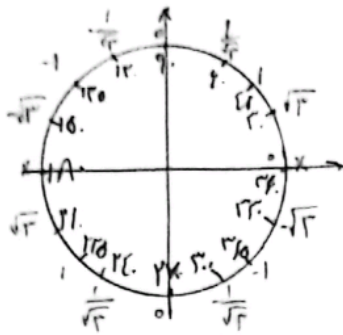


نام و نام خانوادگی: شماره ۲ کلاس پاسخنمه تشریحی تکلیف شماره ۲





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ا) $\sin \alpha = \sin 17^\circ$ $\sin \alpha = \frac{\sqrt{3}}{2}$ $\alpha = 60^\circ$ $\sin 60^\circ = \sin 17^\circ$ ✓	ب) $\cos \alpha = \cos 10^\circ$ $\cos \alpha = -\frac{\sqrt{3}}{2}$ $\alpha = 210^\circ$ $\cos 210^\circ = \cos 10^\circ$ ✓	ج) $\tan \alpha = \tan 17^\circ$ $\tan \alpha = -\frac{1}{\sqrt{3}}$ $\alpha = 150^\circ$ $\tan 150^\circ = \tan 17^\circ$ ✓	د) $\cot \alpha = \cot 17^\circ$ $\cot \alpha = -1$ $\alpha = 135^\circ$ $\cot 135^\circ = \cot 17^\circ = -1$ ✓
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ا) $\sin \alpha = -\cos \frac{20\pi}{9}$ $\sin \alpha = -(-\frac{1}{2})$ $\sin \alpha = \frac{1}{2} = \sin(\frac{\pi}{6}) = \sin(\frac{5\pi}{6})$ $\alpha = 30^\circ \rightarrow \frac{\pi}{6}$ $\alpha = 150^\circ \rightarrow \frac{5\pi}{6}$ ✓	ب) $\sin \alpha = -(\cos \frac{11\pi}{9})$ $\sin \alpha = -(\frac{\sqrt{3}}{2})$ $\alpha = 240^\circ \rightarrow \frac{4\pi}{3}$ $\alpha = 300^\circ \rightarrow \frac{5\pi}{3}$ ✓
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الف) $\cos \alpha = \cot \frac{\sqrt{2}\pi}{2}$ $\cos \alpha = -1$ $\alpha = 180^\circ \rightarrow \pi$ ✓	ب) $\sin \alpha = -(\cos 18^\circ)$ $\sin \alpha = -(\frac{\sqrt{3}}{2})$ $\sin \alpha = \frac{\sqrt{3}}{2}$ $\alpha = 60^\circ \rightarrow \frac{\pi}{3}$ ✓ $\alpha = 120^\circ \rightarrow \frac{2\pi}{3}$ ✓
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