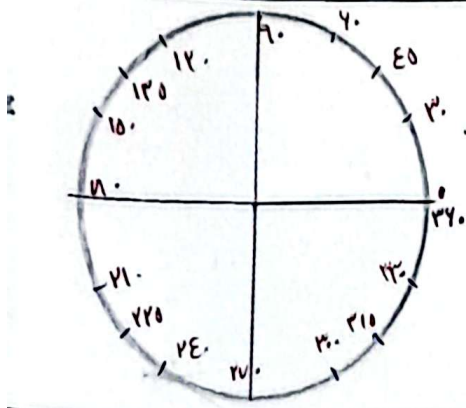
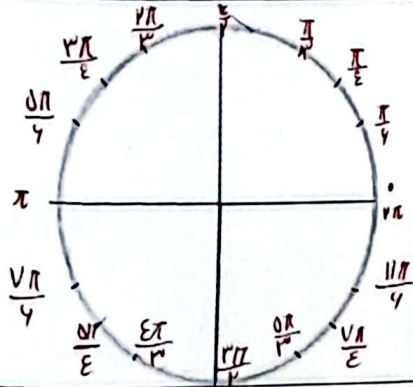




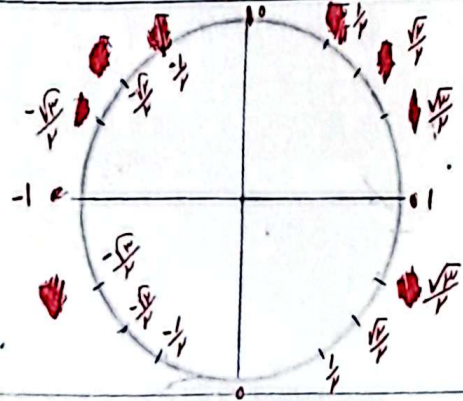
0 30 45 60 90 120 135 150 180
210 225 240 270 300 330 360

1

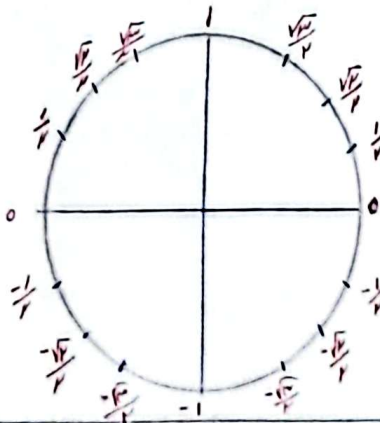


$0 \rightarrow 0$ $30^\circ \rightarrow \frac{\pi}{6}$ $45^\circ \rightarrow \frac{\pi}{4}$ $60^\circ \rightarrow \frac{\pi}{3}$ $90^\circ \rightarrow \frac{\pi}{2}$
 $120^\circ \rightarrow \frac{2\pi}{3}$ $135^\circ \rightarrow \frac{3\pi}{4}$ $150^\circ \rightarrow \frac{5\pi}{6}$ $180^\circ \rightarrow \pi$
 $210^\circ \rightarrow \frac{7\pi}{6}$ $225^\circ \rightarrow \frac{5\pi}{4}$ $240^\circ \rightarrow \frac{3\pi}{2}$ $270^\circ \rightarrow \frac{3\pi}{2}$
 $300^\circ \rightarrow \frac{5\pi}{3}$ $330^\circ \rightarrow \frac{11\pi}{6}$ $360^\circ \rightarrow 2\pi$

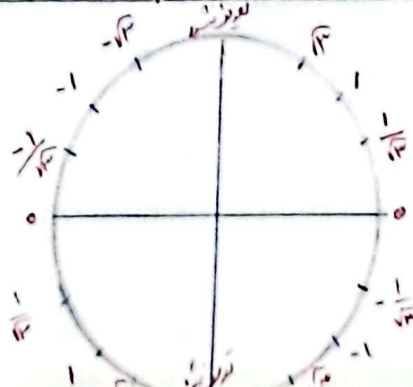
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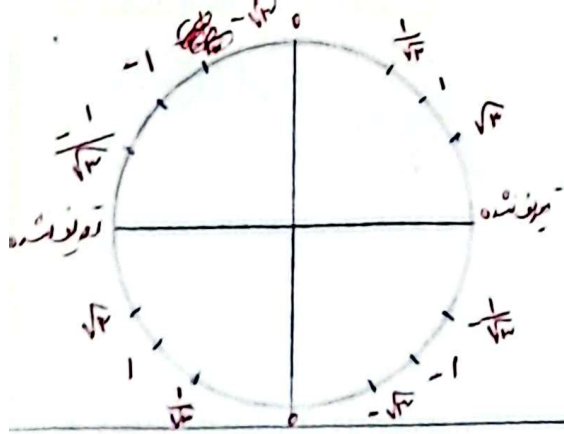
3



4



5



Sin +	Sin +
Cos -	Cos +
tan -	tan +
Cot -	Cot +
Sin -	Sin -
Cos -	Cos +
tan +	tan -
Cot +	Cot -

الف) ۶۰° ب) ۲۱۰° ج) ۱۵۰° د) ۳۱۵°

الف) $\frac{\pi}{4}, \frac{5\pi}{4}$

ب) $\frac{5\pi}{3}, \frac{4\pi}{3}$

الف) ۳۶۰ و ۰

ب) ۱۲۰ و ۶۰