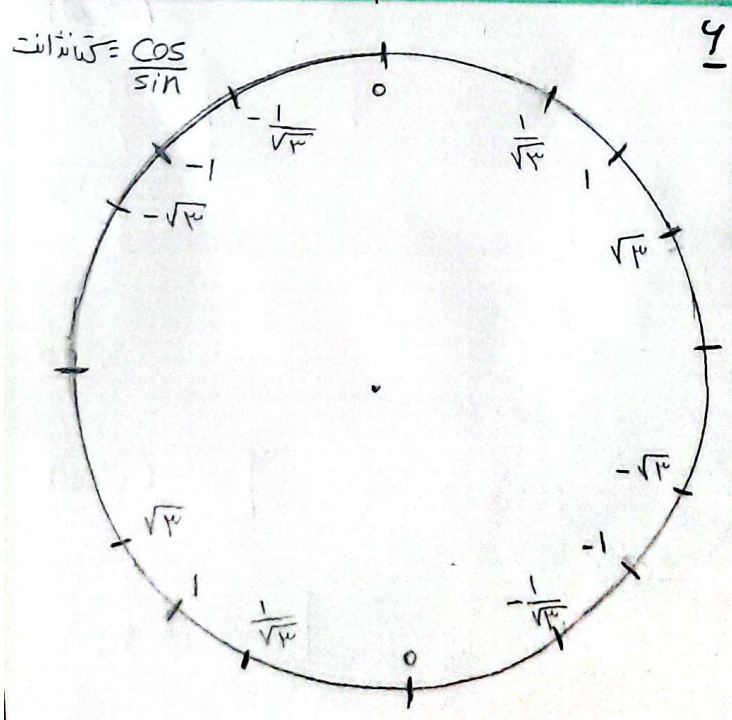
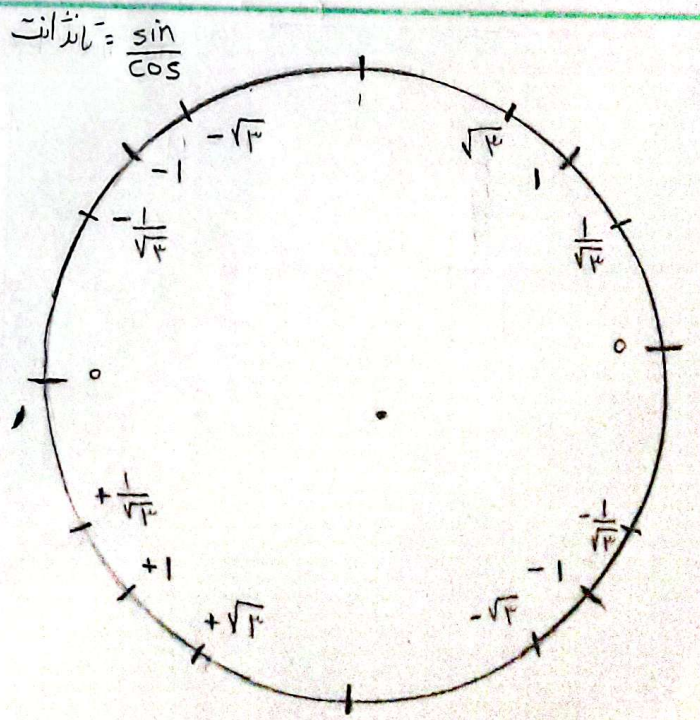
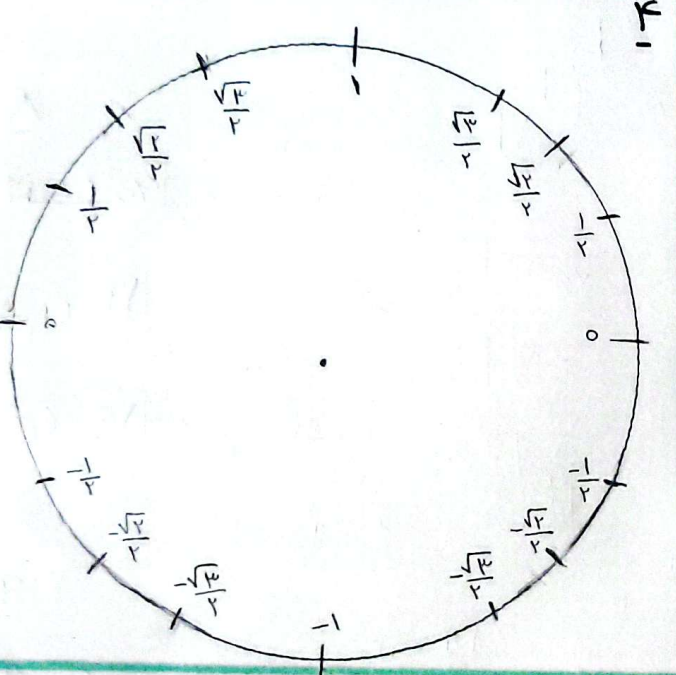
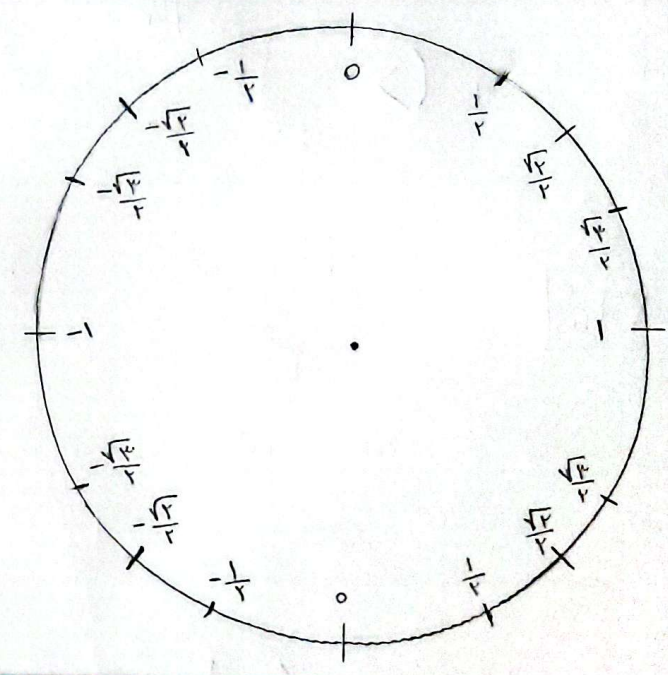
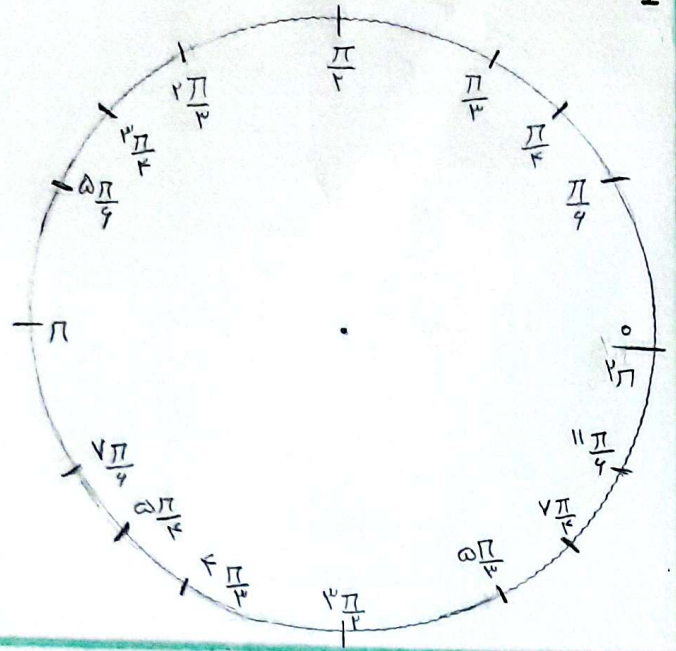
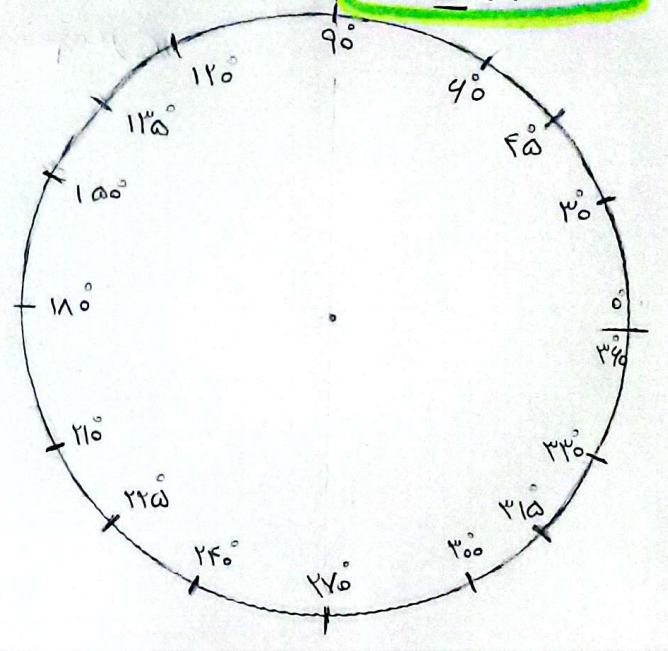


1 حورا تبدیلی زاده

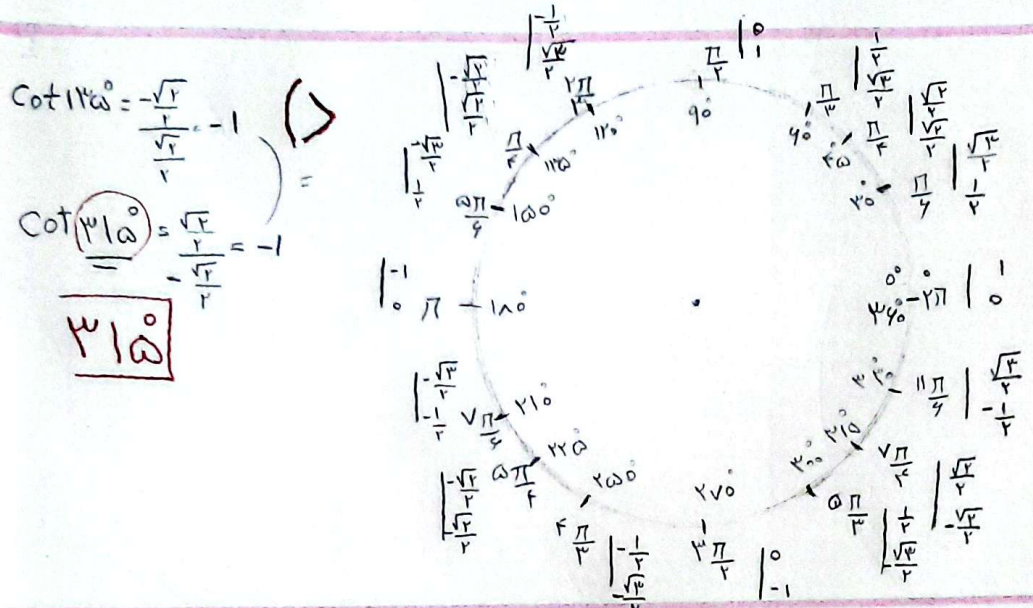
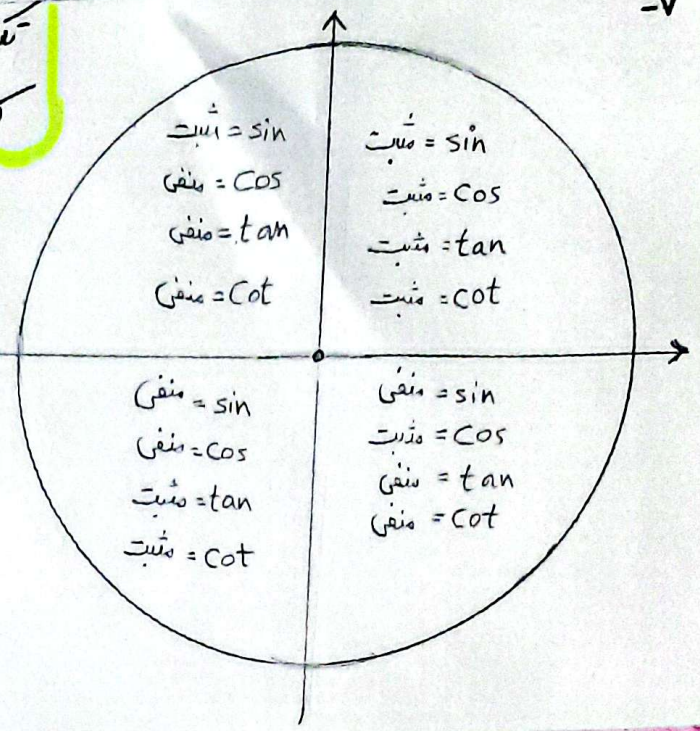


تبدیلی =  $\frac{\cos}{\sin}$

تبدیلی =  $\frac{\sin}{\cos}$



تعلیف شماره‌ی: ۲  
 حورا کبریایی زاده  
 کلاس دهم ریاضت



$\cot 135^\circ = \frac{\cos 135^\circ}{\sin 135^\circ} = \frac{-\frac{\sqrt{2}}{2}}{\frac{\sqrt{2}}{2}} = -1$   
 $\cot 315^\circ = \frac{\cos 315^\circ}{\sin 315^\circ} = \frac{\frac{\sqrt{2}}{2}}{-\frac{\sqrt{2}}{2}} = -1$

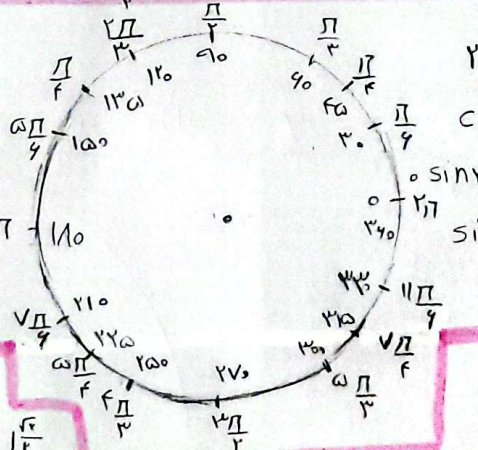
الف)  $45^\circ$   
 $\sin 45^\circ = \frac{\sqrt{2}}{2}$   
 $\sin 90^\circ = \frac{\sqrt{2}}{2}$

ب)  $135^\circ$   
 $\cos 135^\circ = -\frac{\sqrt{2}}{2}$

ج)  $150^\circ$   
 $\cos 150^\circ = -\frac{\sqrt{3}}{2}$   
 $\tan 330^\circ = \frac{-1}{\sqrt{3}} = -\frac{1}{\sqrt{3}}$

د)  $180^\circ$   
 $\tan 180^\circ = \frac{0}{0} = \text{undefined}$

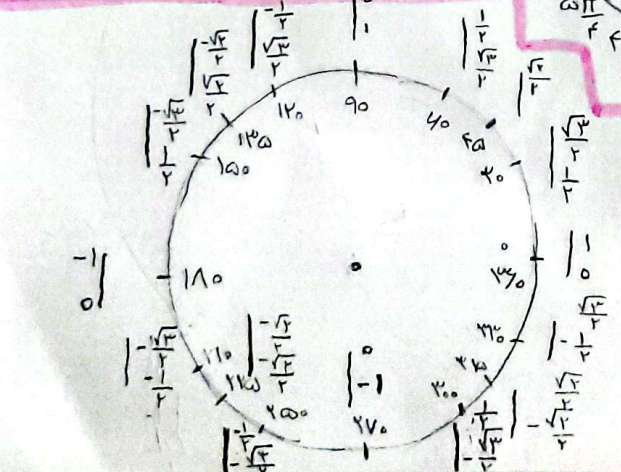
$11\frac{\pi}{4} \rightarrow 315^\circ$   
 $\cos 315^\circ = \frac{\sqrt{2}}{2}$   
 $\sin 225^\circ = -\frac{\sqrt{2}}{2}$   
 $\sin 330^\circ = -\frac{1}{2}$



الف)  $120^\circ$   
 $\cos 120^\circ = -\frac{1}{2}$   
 $\sin 30^\circ = \frac{1}{2}$

ب)  $150^\circ$   
 $\sin 150^\circ = \frac{1}{2}$

جواب  
 $\frac{5\pi}{4}$  و  $\frac{\pi}{4}$



$\cot = \frac{\cos}{\sin}$   
 $\cot 315^\circ = \frac{\frac{\sqrt{2}}{2}}{-\frac{\sqrt{2}}{2}} = -1$

الف)  $180^\circ$

ب)  $45^\circ$  و  $135^\circ$

$\cos 150^\circ = -\frac{\sqrt{3}}{2}$   
 $\sin 120^\circ = \frac{\sqrt{3}}{2}$   
 $\sin 90^\circ = 1$