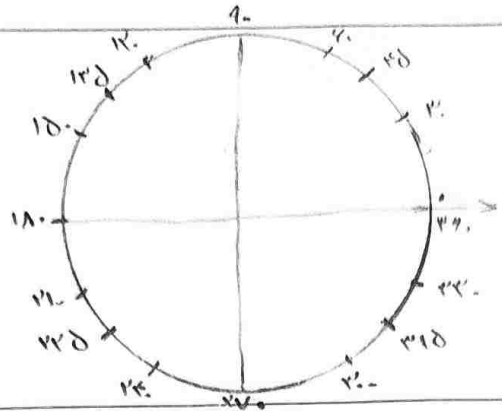
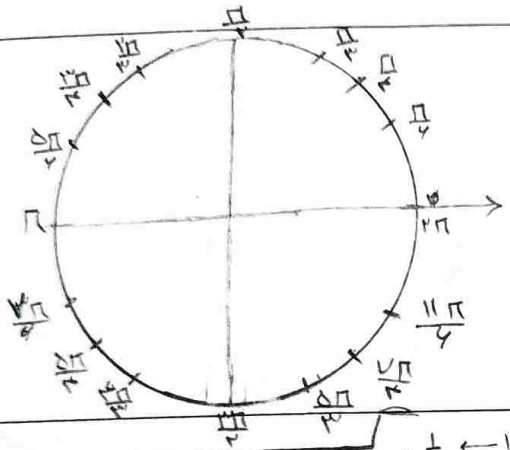


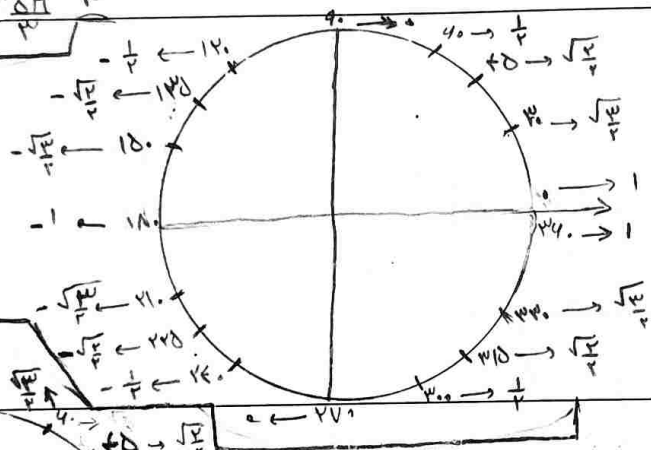
نام و نام خانوادگی امین حسن
 پاسخنامه تشریحی تکلیف شماره 2... کلاس دهم الف ب



1

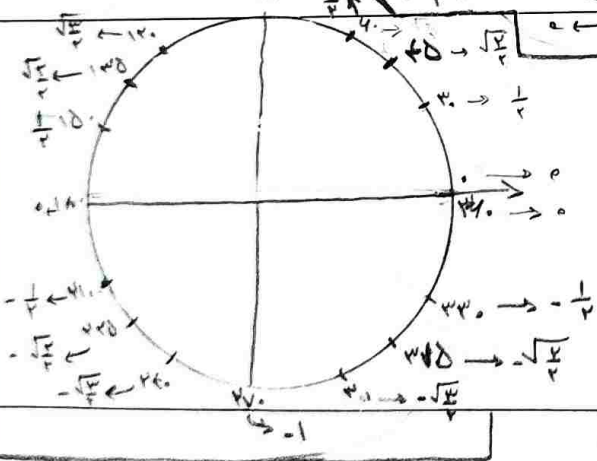


2



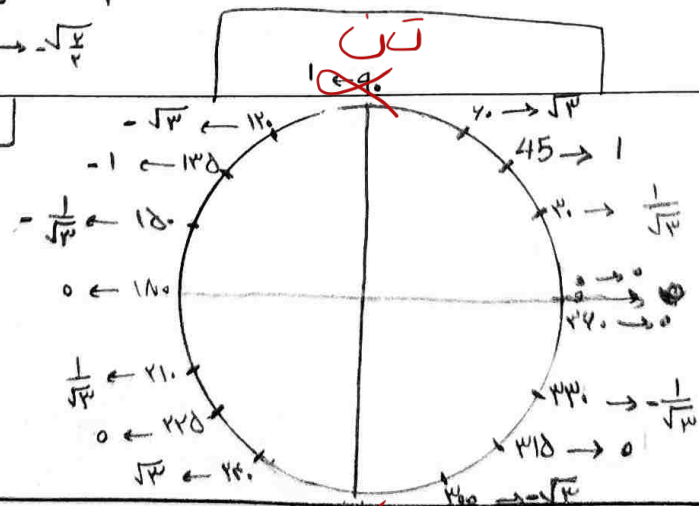
cos

3



sin

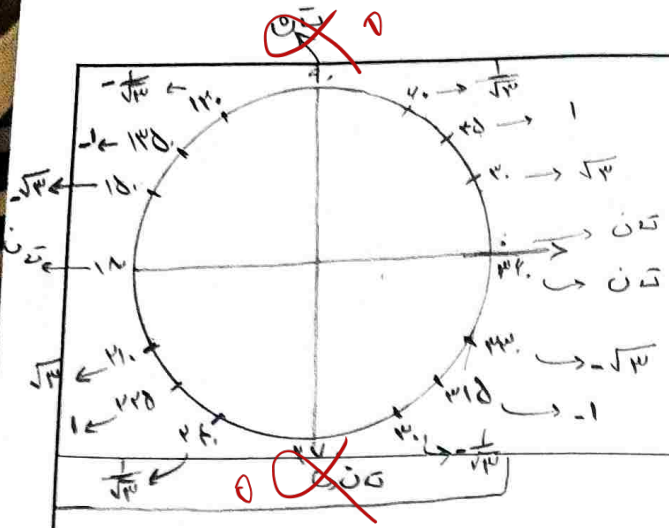
4



Tan

5

تان



cot
1, 0

sin = + cos = - Tan = - cot = -	sin = + cos = + Tan = + cot = +
sin = - cos = - Tan = + cot = +	sin = - cos = + Tan = - cot = -

5

2

$\sin 45^\circ = \frac{\sqrt{2}}{2} \leftarrow \sin 135^\circ = \frac{\sqrt{2}}{2}$ الف

$\cos 45^\circ = \frac{\sqrt{2}}{2} \leftarrow \cos 135^\circ = -\frac{\sqrt{2}}{2}$ ب

$\tan 45^\circ = 1 \leftarrow \tan 135^\circ = -1$ ج

$\cot 45^\circ = 1 \leftarrow \cot 135^\circ = -1$ د

$\alpha = 15^\circ, \alpha = 75^\circ \leftarrow \sin \alpha = \frac{1}{2} \leftarrow \frac{1}{2} \leftarrow \frac{\sqrt{3}}{2} \leftarrow \cos \leftarrow \frac{\sqrt{3}}{2} (15^\circ) \leftarrow$ الف
 $\alpha = 75^\circ, \alpha = 15^\circ \leftarrow \sin \alpha = \frac{\sqrt{3}}{2} \leftarrow \frac{\sqrt{3}}{2} \leftarrow \frac{1}{2} \leftarrow \cos \leftarrow \frac{1}{2} (75^\circ) \leftarrow$ ب

2

$\alpha = 180^\circ \leftarrow \cos \alpha = -1 \leftarrow -1 \leftarrow \cot \leftarrow 180^\circ (\frac{\sqrt{3}}{2})$ (الف)

3

$\alpha = 15^\circ, \alpha = 75^\circ \leftarrow \sin \alpha = \frac{1}{2} \leftarrow \frac{1}{2} \leftarrow \frac{\sqrt{3}}{2} \leftarrow \cos 15^\circ = \frac{\sqrt{3}}{2}$ (ب)