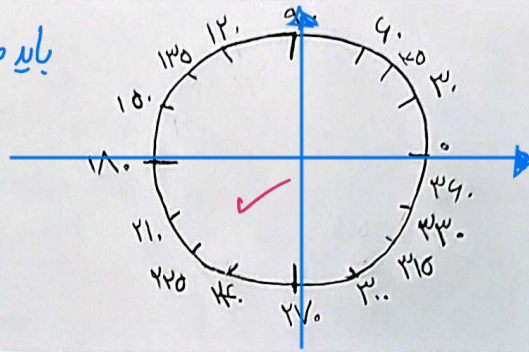
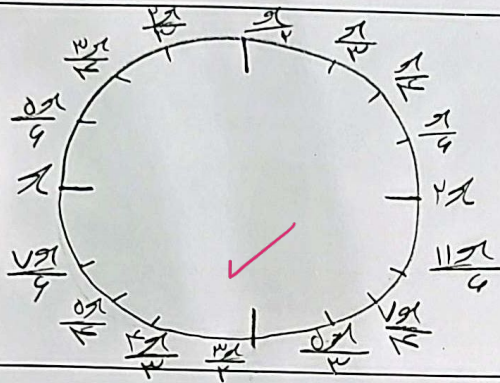


نام و نام خانوادگی الناهد پاسخنامه تشریحی تکلیف شماره ۲ کلاس ۲۰۰۱ ۱۸۸ B

باید محورهای مقفات را رسم کنی!

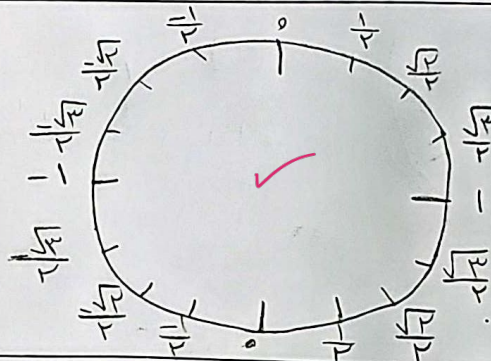


۱,۷۵
محور



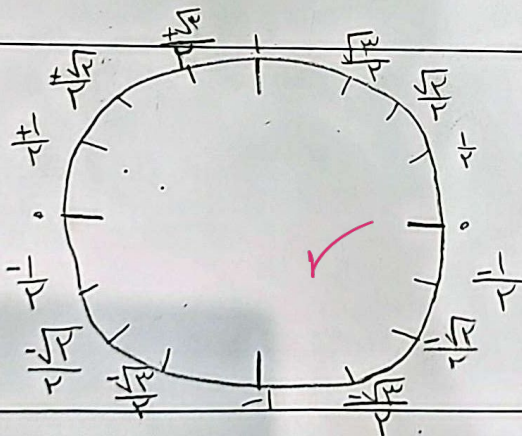
۱,۷۵
محور

$\cos \theta$:



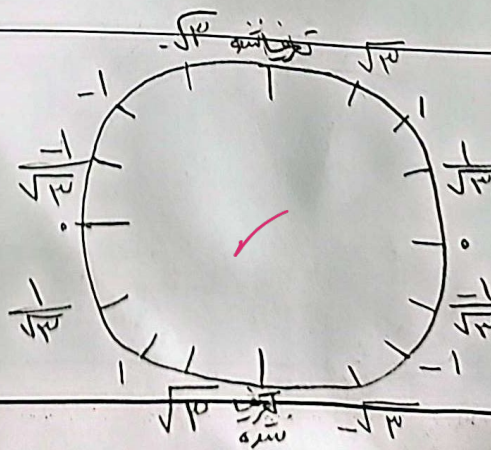
۱,۷۵
محور

$\sin \theta$:



۱,۷۵
محور

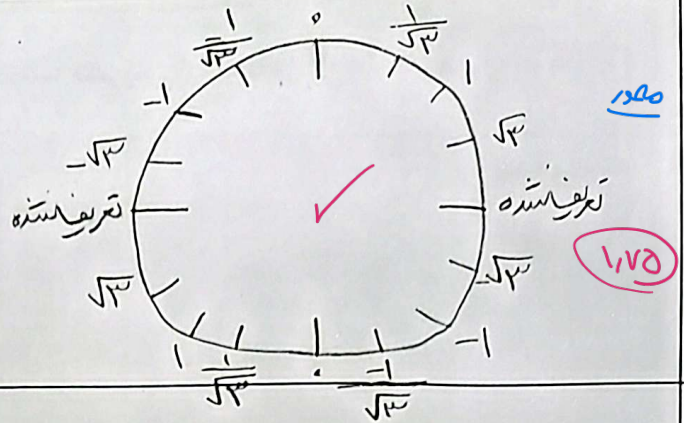
$\tan \theta$:



۱,۷۵
محور

$\cot$

تعريف



150

150

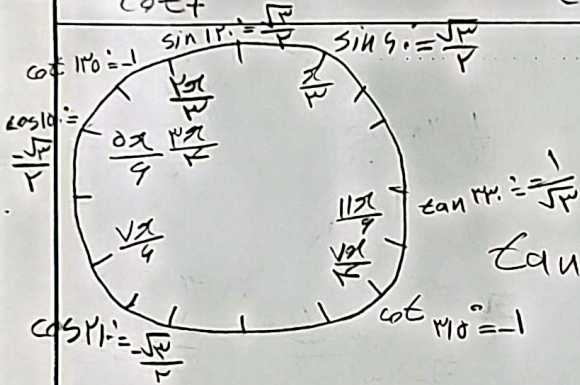
$\sin +$
 $\cos -$
 $\tan -$
 $\cot -$

$\sin +$
 $\cos +$
 $\tan +$
 $\cot +$

$\sin -$
 $\cos -$
 $\tan +$
 $\cot +$

$\sin -$
 $\cos +$
 $\tan -$
 $\cot -$

علامات



$$\frac{\sqrt{3}}{2} = \sin 120^\circ = \sin 60^\circ \quad \text{الف}$$

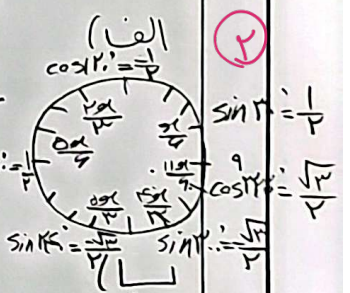
$$\frac{\sqrt{3}}{2} = \cos 30^\circ = \cos 210^\circ \quad \text{ب}$$

$$\tan 30^\circ = \frac{\sin 30^\circ}{\cos 30^\circ} = \frac{1/2}{\sqrt{3}/2} = \frac{1}{\sqrt{3}} = \tan 150^\circ \quad \text{ج}$$

$$-1 = \cot 135^\circ = \cot 225^\circ \quad \text{د}$$

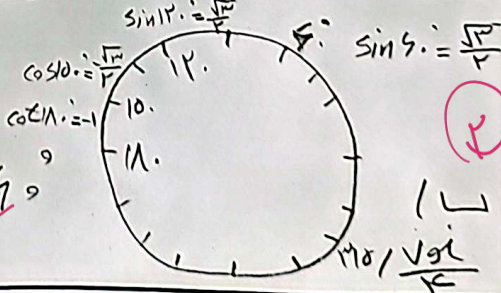
$$-(\cos \frac{2\pi}{3}) = -(\cos 120^\circ) = -\frac{1}{2} = \sin \frac{\pi}{6} = \sin 30^\circ$$

$$-(\cos \frac{11\pi}{6}) = -(\cos 330^\circ) = -\frac{\sqrt{3}}{2} = \sin \frac{5\pi}{6} = \sin 150^\circ$$



$$\cot \frac{5\pi}{6} = \cot 150^\circ = \frac{\cos 150^\circ}{\sin 150^\circ} = \frac{-\sqrt{3}/2}{1/2} = -\sqrt{3} = \cot 210^\circ$$

$$\cos 150^\circ = -\frac{\sqrt{3}}{2} \xrightarrow{\text{مربع}} \frac{\sqrt{3}}{2} = \sin 120^\circ \text{ و } 60^\circ$$



$$\cot 210^\circ = -1$$