

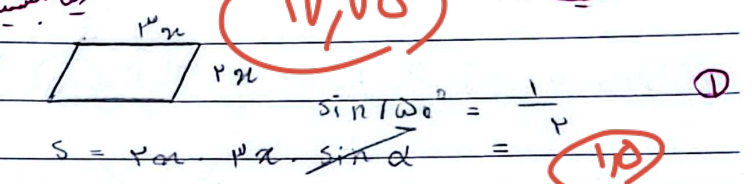
گروه یازدهم دهم

زینا حسینی

17, 15

تکلیف شماره

$$\frac{1 - \tan \alpha}{\sqrt{\cos^2 \alpha}} = \frac{1 + \sin \alpha}{|\cos \alpha|} \quad (3)$$

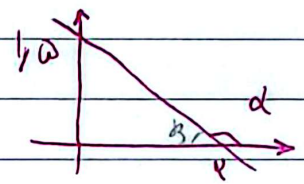
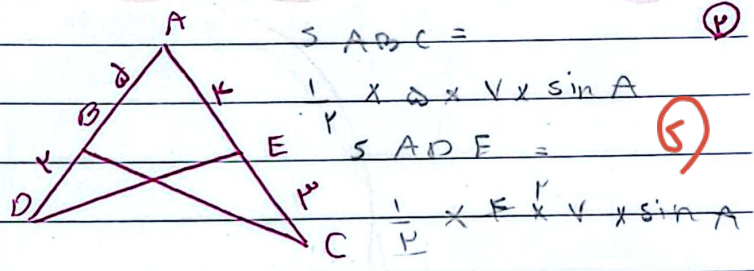


$$\frac{|\sin \alpha|}{\cos \alpha} = \frac{-1}{\cot \alpha} = \frac{-\sin \alpha}{\cos \alpha} \rightarrow \sin \alpha < 0$$

$S = \frac{1}{2} \times r \times r \times \sin \alpha = \frac{1}{2} r^2 \sin \alpha$   
 $\frac{1}{2} \times r \times r \times \sin \alpha = \frac{1}{2} r^2 \sin \alpha = \Delta F$   
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$$\frac{1 - \sin \alpha}{|\cos \alpha|} = \frac{1 + \sin \alpha}{|\cos \alpha|} \quad (5)$$

$$\frac{\cos \alpha < 0}{(4)}$$



$\tan \alpha = -\tan \beta$   
 $\tan \beta = \frac{r}{k}$   
 $\tan \alpha = -\frac{r}{k}$

$\frac{r \sin A}{r} = \frac{k \sin A}{k} = \frac{r \sin A}{r}$   
 $= k \sin A = \frac{1}{\sqrt{2}}$   
 $\sin A = \frac{1}{\sqrt{2}} \rightarrow A = 45^\circ$   
 $\tan A = \tan 45^\circ = \frac{\sqrt{2}}{1}$

$$\tan\left(\frac{\pi}{4} - \alpha\right) = \cot \alpha = \frac{-k}{r}$$

s.a.m

$\sin \alpha = r \cos \alpha \rightarrow \tan \alpha = \frac{\sin \alpha}{\cos \alpha} = \frac{r \cos \alpha}{\cos \alpha} = r$  (V)

$\alpha$  (دائره)

$\cos \alpha = ? = \frac{-\sqrt{5}}{0}$

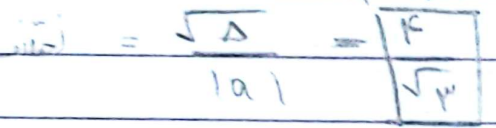
$\frac{1}{\sqrt{5}}$



$|\cos \alpha| = \frac{1}{\sqrt{5}} = \frac{-\sqrt{5}}{0}$

$y = \frac{-r m}{m^2 - 1} x + \frac{r}{m^2 - 1}$   
 $\tan \alpha = \sqrt{5}$

$\frac{-r m}{m^2 - 1} = \sqrt{5} \rightarrow \sqrt{5} m^2 - \sqrt{5} = -r m$  (S)



$\Delta = r - \frac{r(\sqrt{5})}{-1} = 14$

$\frac{r \cos(\pi + \alpha) - r \sin(\pi + \alpha)}{\sin(\pi + \alpha) - \cos(\pi + \alpha)} = \textcircled{2}$

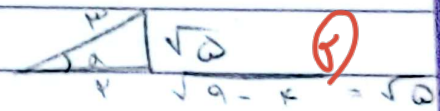
$\frac{r \cos(\pi - r) - r \sin(\pi - r)}{\sin(\pi + r) - \cos(\pi + r)}$  (S)

$= \frac{-r \sin \alpha - r \sin \alpha}{-\sin \alpha - \sin \alpha} = \frac{-2r}{-2} = r$

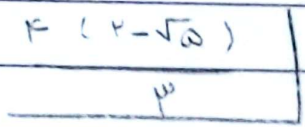
$\frac{\sin(\frac{\pi}{r} + \alpha) - \sin(\alpha - \pi)}{|\tan^2 \alpha - 1|}$  (4)

$\cos \alpha + \sin \alpha$   
 $\tan^2 \alpha - 1$

$\cos \alpha = \frac{r}{r}$   
 $\sin \alpha = \frac{-\sqrt{5} r}{r}$



$\frac{\frac{r}{r} - \frac{\sqrt{5} r}{r}}{\frac{r}{r} - 1} = \frac{\frac{r - \sqrt{5} r}{r}}{\frac{r - r}{r}} = \frac{r(1 - \sqrt{5})}{0}$



s.a.m

$$\frac{-\sqrt{p}}{\sqrt{p}} \cos(\pi) + \frac{-\sqrt{p}}{\sqrt{p}} \sin(\pi)$$

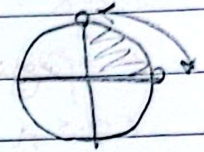
$$= \frac{p}{p} + \left(-\frac{p}{p}\right) = 0$$

(10)

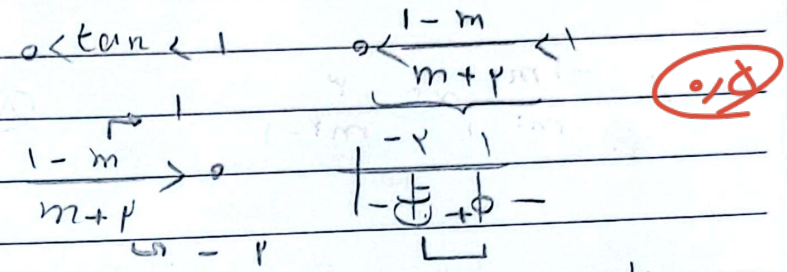
(9)

$$-\frac{\pi}{p} < \alpha < \frac{\pi}{p} \quad (9)$$

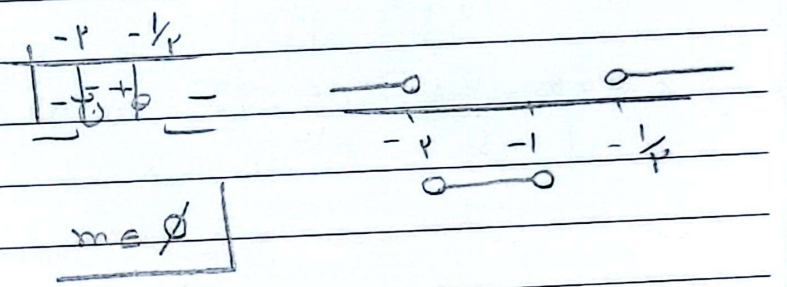
$$\tan\left(\frac{\pi}{p} - \alpha\right) = \frac{1-m}{m+p}$$



$$-\frac{\pi}{p} < -\alpha < \frac{\pi}{p} \quad + \frac{\pi}{p} \rightarrow 0 < \frac{\pi}{p} - \alpha < \frac{\pi}{p}$$



$$\frac{1-m}{m+p} < 1 \quad \frac{1-m-m-p}{m+p} = \frac{-2m-1}{m+p}$$



$$-\frac{\pi}{p} < \alpha < \frac{\pi}{p} \rightarrow \left(\alpha - \frac{\pi}{p}\right) < \frac{\pi}{p}$$

نشان در ربع اول است ← علامت مثبت ←  $\frac{1-m}{p+m}$

s.a.m