

$$10^0 = \frac{10^0}{1} \text{ Rnd} \rightarrow (1) \text{ Rnd}$$

$$f) \frac{m}{\alpha} v_{ad} = m^0$$

$$\frac{\frac{F_x}{g}}{F_x} = \frac{m}{m_{y_0}}$$

$$\frac{\frac{\Delta x}{1x}}{4x} = \frac{x}{40} = \frac{A}{4x}$$

$$n = \frac{N_{00}}{14} = \frac{N_{01}}{N}$$

$$\frac{\frac{100 \times 100}{9}}{100} = \frac{100}{100}$$

$$\frac{F_D \cdot a + F_A}{\mu} \cdot a + 10a = 1A_0$$

$$b) \frac{\tan^N \theta_0 + \tan^N \theta_0 + \tan^N \theta_0}{\tan^N \theta_0 + \tan^N \theta_0 + \tan^N \theta_0} = \frac{1}{1} + 1 + 1 = \frac{1}{1} \times (\sqrt{1} + \sqrt{1} + \sqrt{1})$$

$$-\frac{1}{4} \times \frac{1}{N} + \frac{\sqrt{N}}{N} \times \frac{\sqrt{N}}{N} = \frac{1}{N}$$

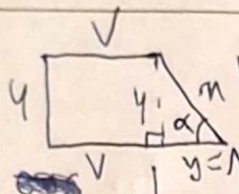
$$\Rightarrow \theta = \sin^{-1} \left(\frac{\sqrt{p}}{\sqrt{n}} \right)$$

$$\frac{\mu_0}{\mu_{H_0}} = \frac{n}{N\pi} \Rightarrow m = \frac{\pi}{4}$$

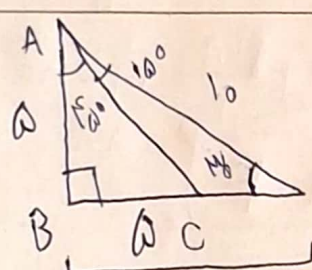
Scanned with CamScanner

$$\frac{\sin \theta}{\cos \theta} = \Delta \Rightarrow \sin \theta = \Delta \cos \theta \Rightarrow \frac{\sin \theta - \cos \theta}{\sin \theta - \cos \theta} = \frac{\Delta \cos \theta - \cos \theta}{\Delta \cos \theta - \cos \theta} = \Delta$$

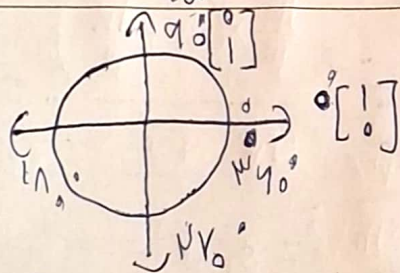
(۲)


 $10^2 - 4^2 = y^2 \Rightarrow y = 8$
 $\frac{1}{\sin \alpha} \times y = x = \frac{10}{4} \times 4 = 10$
 مساحت = $V + y + V + 1 + 10 = 17$ ✓

(۲)

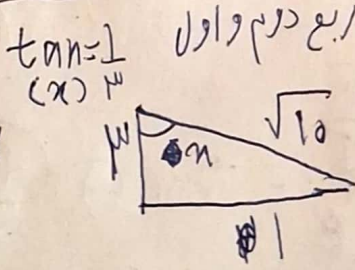
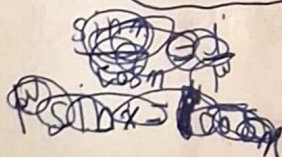

 $CD = BD - BC = \frac{\Delta \sqrt{3} - \Delta}{\sin 30^\circ \times 10} = AB = \frac{10}{2} = 5$ ✓
 $\angle D = 180^\circ - 40^\circ - 90^\circ = 50^\circ$
 $\tan 40^\circ \times 5 = BC = 5$
 $\cos 60^\circ \times 10 = BD = \frac{\sqrt{3}}{2} \times 10 = 5\sqrt{3}$

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الف) $\sin \theta \downarrow$ $\theta \uparrow$ $\cos \theta \downarrow$
 در نایب سوم است θ از ۹۰ درجه می شود ربع اول می شود ربع سوم
 ب) $\sin \theta \downarrow$ $\theta \uparrow$ $\cos \theta \downarrow$
 در نایب دوم واقع است θ از ۹۰ درجه می شود ربع دوم می شود ربع اول

(۲)



$\tan \alpha = 1$
 $\sin \alpha = \frac{1}{\sqrt{10}}$
 $\cos \alpha = \frac{\sqrt{10}}{10}$
 $\sin \alpha \cos \alpha < 0$
 $\Rightarrow \begin{cases} \sin \alpha = \frac{\sqrt{10}}{10} \\ \cos \alpha = \frac{\sqrt{10}}{10} \end{cases}$ ✓

(۲)