

$\Delta g = \frac{g \cdot g}{2r \cdot h_1} = \dots$
 $\frac{-1}{r} = \frac{m \cdot k}{g} \Rightarrow -g = (m - k) \Rightarrow m - k = -g$

$\text{طول جیبی} = r \sin \theta \Rightarrow \sqrt{(r \sin \theta)^2 + (r \cos \theta)^2} = \sqrt{r^2} = r$

$AB = \sqrt{(r \sin \theta)^2 + (r \cos \theta)^2} = \sqrt{r^2} = r$

$m_{AB} \cdot m_{CD} = -\frac{r}{g} = \frac{r}{-1 - r} \Rightarrow m = \frac{r}{-1 - r} \Rightarrow C(\frac{r}{-1 - r}, g) \quad D(-\frac{g}{r}, g + r)$

$m_{BC} \cdot m_{CD} = -1 \Rightarrow \frac{g}{r} = \frac{g - 1}{-\frac{r}{-1 - r}} \Rightarrow g = -1$

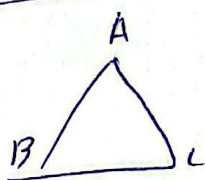
$\Rightarrow C(\frac{r}{-1 - r}, -1) \quad D(-\frac{-1}{r}, -1 + r)$

$BC = \sqrt{(r - 1)^2 + (-1 - g)^2} = \sqrt{\frac{g}{r} + r} = \frac{g}{r} \Rightarrow \text{که } r = r(\frac{g}{r} + r) = 10$

$\omega \tan \alpha = \sqrt{r}$

$\Rightarrow \frac{-rm}{m^2 - 1} = \sqrt{r} \Rightarrow -rm = \sqrt{r} m^2 - \sqrt{r} \Rightarrow \sqrt{r} m^2 + rm - \sqrt{r} = 0$

$\frac{\sqrt{a}}{|a|} = \frac{\sqrt{14}}{\sqrt{r}} = \frac{r}{\sqrt{r}}$



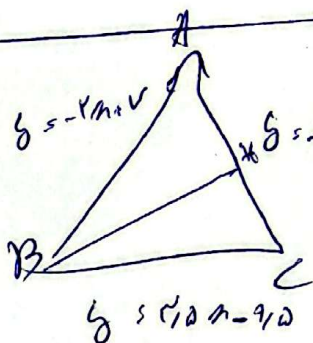
$\text{طول جیبی } BC \Rightarrow \frac{BC}{2r - a_1} = \frac{a_1}{r} \Rightarrow r a_1 + h = g$

$g = g + h \Rightarrow h = -r$

$BC \text{ جیبی } r m - r = g$

$\frac{1}{a} \Rightarrow r a - r = 0$

$\text{طول جیبی} = \frac{a^2 + b^2 + c^2}{2ab} = \frac{1 - 1 - 1}{\sqrt{2}} = \frac{-1}{\sqrt{2}} = \frac{1}{\sqrt{2}}$



$B = \frac{r}{1}$

$-ra + v = r, 0a - q, 0$

$a/d a = 1, 0 \Rightarrow a = r$

$g = -ra + v \Rightarrow g = -g + v \Rightarrow B = \frac{r}{1}$

$\text{طول جیبی } AC \text{ و } B = \frac{a^2 + b^2 + c^2}{2ab} = \frac{\frac{g}{r} + \frac{v}{r} - 1}{\frac{g}{r} + \frac{v}{r}} = \frac{r}{g} = \frac{r}{g}$

$$\frac{x}{-\frac{r}{2}} + \frac{y}{-\frac{r}{2}} = 1 \Rightarrow -\frac{2x}{r} - \frac{2y}{r} = 1 \Rightarrow -\frac{2x+2y}{r} = 1 \Rightarrow x+y = -\frac{r}{2} \Rightarrow y = -\frac{r}{2} - x$$



$$b^2 = 5r \cdot \frac{r}{2} = 5r \cdot \frac{r}{2}$$

مسئله 30 خان آقا

① $g = a + 1$
 $ay = a + a - 1$
 ② $g = \frac{a}{a} - \frac{1}{a} + 1$

① $a+1 = g$ $\Rightarrow a = \frac{1}{g} - 1 \Rightarrow a = \pm 1$
 ② $g = a$ $\Rightarrow a = \frac{1}{g} - 1 \Rightarrow a = \pm 1$

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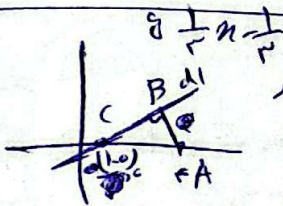
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ن. چون دستگاه معادلات بی‌نهایت جواب دارد (خطوط موازی هستند)

$$\Rightarrow g = \frac{1}{2}x - \frac{1}{2}$$

$$C(1, 1) \text{ و } B(1, 1) = E(1, 1)$$

$$AB \text{ بس: } -\frac{1}{2}x + \frac{1}{2}$$

$$-\frac{1}{2}x + \frac{1}{2} = \frac{1}{2}x - \frac{1}{2} \Rightarrow \frac{1}{2}x = \frac{1}{2} \Rightarrow x = 1 \Rightarrow g = \frac{1}{2} \cdot 1 - \frac{1}{2} = 0$$

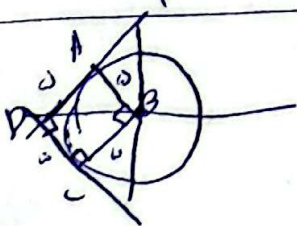
از مرکز B

$$m = \frac{\Delta g}{\Delta x} = \sqrt{r} = \frac{b-a}{\frac{1}{2}} \Rightarrow b-a = \frac{\sqrt{r}}{2}$$

$$A(-\frac{1}{2}, a)$$

$$B(\frac{1}{2}, b)$$

$$\Rightarrow AB = \sqrt{(\frac{1}{2} - (-\frac{1}{2}))^2 + (b-a)^2} = \sqrt{(\frac{1}{2})^2 + (\frac{\sqrt{r}}{2})^2} = \frac{1}{2} \sqrt{1+r} = \frac{\sqrt{r}}{2}$$

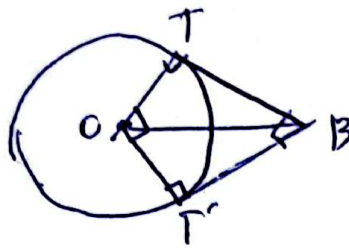


AB = CB $\Rightarrow$ ABCD
 پس

$$\Rightarrow A = \frac{1}{2}$$

$$\begin{cases} 2A + 2C = 2D + 2B \\ 2A + 2C = 2D + 2B \end{cases} \Rightarrow -1 = 0 + 0$$

$$C = \frac{1}{2}$$



$$n(OT) = \frac{0 - (-F)}{0 - (-r)} = \frac{F}{r}$$

$$\Rightarrow m_G T^{\frac{1}{2}} = \frac{1}{\mu}$$

$\frac{1}{n}$

$$m(pT) \times m(pT') = -1$$

$$OT = OT' \Rightarrow r = a \quad \left\{ \begin{array}{l} m(OT') = -\frac{r}{f} \Rightarrow y = -\frac{r}{f} a + b \\ (0,0) \Rightarrow b = 0 \end{array} \right.$$

$$\sqrt{\frac{0.0}{0.0001}} \Rightarrow h = 0.2 \frac{\sqrt{2}}{F} \pi$$

$$\textcircled{1}, r \Rightarrow \sigma T' = \sqrt{m^2 + \frac{q}{1s}} x, \left| \frac{\partial}{\partial f} m \right| = 0$$

$$-\frac{\partial}{\partial x} n \propto \frac{\partial}{\partial x} (n_s - F) \Rightarrow \text{proportional}$$

~~_____~~ $T'(a, -\frac{p}{F}a)$
(P)

سید علی ذیشان آغا

$T'(-f, v)$
 $T(-v, -f)$

$\Rightarrow \alpha T + \alpha T' = \alpha C + \alpha B \Rightarrow -v = c_T \alpha B$
 $\alpha B = -v$

$$\eta_B = -2$$

$$\delta T + \delta T' = \delta C + \delta B \Rightarrow -1 - c + \delta B$$

5 B 5 - 1

$$a \otimes b = -v \otimes 1 = \textcircled{v}$$