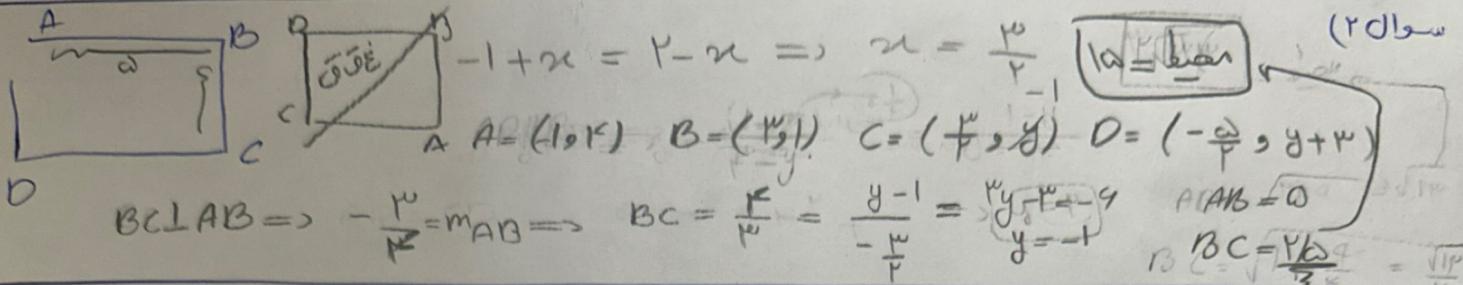


$$\frac{m-k}{4} = -\frac{1}{4} \Rightarrow -q = 4(m-k) \Rightarrow |m-k| = 4$$

$$B \rightarrow A = \sqrt{\frac{(m-k)^2 + q^2}{4^2}} = \sqrt{F\omega} = \boxed{\text{مکانیکی}} \quad s = \sqrt{F\omega} = \boxed{F\omega} \quad (\text{سوال 1})$$

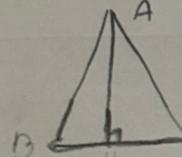


$$\frac{1}{\omega^2} \Rightarrow \omega = \sqrt{\mu} = \sqrt{\mu} = \frac{\sqrt{\mu}}{\sqrt{\mu-1}} = \frac{\sqrt{\mu}}{\sqrt{\mu-1}} \quad (\text{سوال 3})$$

$$\sqrt{\mu}m^{\mu} + \mu m - \sqrt{\mu} = 0 \quad \boxed{B} \Rightarrow |\alpha - \beta| = \frac{\sqrt{\Delta}}{|\alpha|}$$

$$\frac{\sqrt{F+1}\mu}{\sqrt{\mu}} = \frac{F}{\sqrt{\mu}} = \boxed{\frac{F\sqrt{\mu}}{\mu}}$$

$$AH \perp B \Rightarrow m_{AH} = -\frac{1}{m_{BC}} \quad (1, 9) \quad (\text{سوال 4})$$



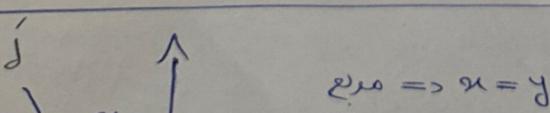
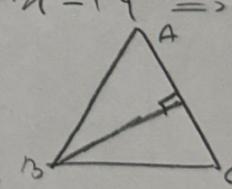
$$m_{BC} = +\mu \Rightarrow BC \Rightarrow y = +\mu x + \mu + 8/\mu$$

$$BC \perp AH \Rightarrow m_{AH} = \frac{\mu - \mu - q}{\mu - \mu} = \frac{1}{\mu} x + q/\mu \quad \frac{1}{\mu} x = 1/\mu \quad \frac{1}{\mu} = 1/\mu$$

$$H(\alpha, \nu), A(1, 0) = \sqrt{\mu} \quad \frac{\mu}{\mu} = \frac{\mu \sqrt{\mu}}{\mu} = \frac{\mu}{\mu} = 0$$

$$B \rightarrow \sqrt{-m} = \frac{\sqrt{m-1}}{\mu} \Rightarrow 1\mu - 1\mu x = \sqrt{m-1} \Rightarrow \boxed{m=4} \quad (\text{سوال 5})$$

$$B(4, 1) \rightarrow m = \frac{1\mu - 1\mu - 1}{\mu} = \frac{1\mu}{\mu} \quad -\frac{1\mu}{\mu} x + 1 = \frac{1\mu}{\mu} \quad -\frac{1\mu}{\mu} x + 1 = \frac{1\mu}{\mu} + 1 \quad \frac{1\mu}{\mu} x = \frac{1\mu}{\mu} \quad x = \frac{1}{\mu}$$



$$(-\frac{\mu}{\mu}, 0) \quad (0, -1) \quad -\frac{q}{\mu} = -1 \Rightarrow -\mu x - y = x \quad \gamma x = -y \Rightarrow x, y = -\frac{1}{\mu}$$

$$\bar{r} = \mu \sqrt{\mu} \Rightarrow +\frac{1}{\mu} \sqrt{\mu}$$

