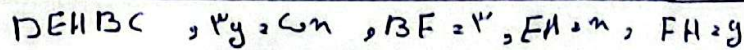
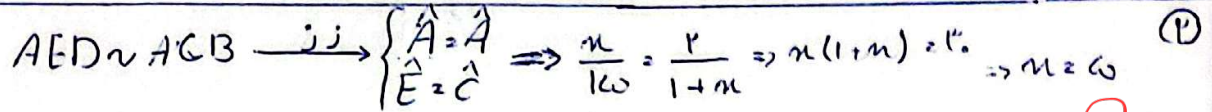


①

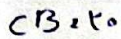
$$\frac{EF}{AF} = \frac{t}{k} \cdot \frac{kt}{kt} \cdot \frac{\sqrt{1.0}}{\sqrt{5.0}} = \frac{\sqrt{1.0}}{\sqrt{5.0}}$$



$$\text{ثمن } y, \text{ (مقابل)} \frac{x}{y} = \frac{3}{5}, \triangle DHE, \triangle FHC \text{ متساويان} \frac{x}{y}, \frac{DE}{FC} = \frac{3}{5}$$

$$B \quad \mu = \frac{1}{2} g z, \quad PE \parallel BC \Rightarrow \frac{\sigma_{12}}{2} = \frac{PE}{4+FC} = \frac{1}{4} = \frac{4 \cdot 10}{20+4} \cdot \frac{1}{4} = 9 \text{ m}^2 \quad \omega_{12} = 4, \quad \mu = 4, \quad \eta = \frac{1}{4}$$

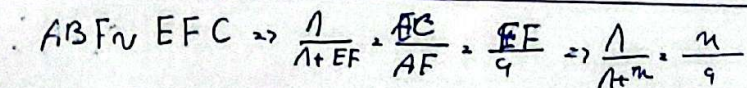
③



$$A13^P: 19 \times 20 \times \sqrt{41}$$

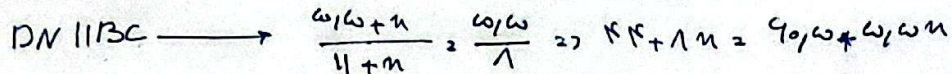
$$A_C^V \approx 2.6 \times 10^{-2} \Rightarrow \sqrt{\lambda}.$$

$$\frac{\sqrt{\mu_r}}{\sqrt{\mu_0}} \cdot \frac{\sqrt{\epsilon_0}}{\sqrt{\epsilon_r}} \cdot \frac{\sqrt{\mu_0}}{\sqrt{\mu_r}} \cdot \frac{\sqrt{\epsilon_r}}{\sqrt{\epsilon_0}} = 1$$

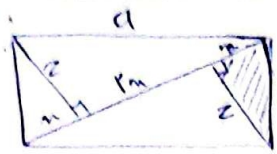


$$K_1 \wedge m + n^T, n^T \wedge m - K_1, (m \vee K)(n - 1) \Rightarrow n \wedge K \in F$$

$$AF \cong AE + EF = 1 + 1 = 2$$



$$r_1 \omega n = 19, \omega \Rightarrow n = \frac{19, \omega}{r_1 \omega} = 9,9$$



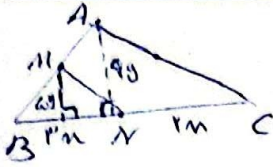
$$\left. \begin{aligned} a^2 &= qn^2 + z^2 \Rightarrow a^2 = qn^2 + r^2n^2 \quad (1) \\ b^2 &= n^2 + z^2 \Rightarrow b^2 = n^2 + r^2n^2 \quad (2) \end{aligned} \right\} S_{ABCD} = ab = r^2n \sqrt{r^2n^2 + n^2} = r^2n^2$$

$$19n^2 = a^2 + b^2 \Rightarrow 19n^2 = n^2 + z^2 + qn^2 + z^2 \Rightarrow qn^2 = r^2z^2 \Rightarrow r^2n^2 = z^2$$

$$S_{ABCD} = \pi \pi \sqrt{r^2n^2 + n^2} = \pi \pi r^2n^2 \quad z = \sqrt{r^2n^2}$$

$$\frac{S_{ABCD}}{S_{ABCD}} = \frac{\pi \pi r^2n^2}{\pi \pi r^2n^2} = 1$$

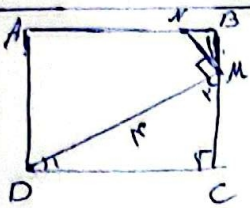
9



$$\frac{S_{ABC}}{S_{BMC}} = \frac{AM \cdot BC}{h \cdot BC} = 2 \Rightarrow qh = \omega h \Rightarrow$$

$$\frac{h}{h} = \frac{BM}{AB} = \frac{\omega}{q} \Rightarrow AB = BM = AM = \frac{q}{q} \Rightarrow \frac{BM}{AM} = \frac{\omega}{q}$$

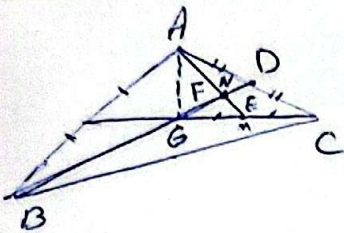
9



$$\left. \begin{aligned} M_1 + M_2 &= q \Rightarrow M_1 = D_1 \Rightarrow DCN \sim MBN \Rightarrow \frac{MN}{MD} = \frac{MB}{MC} = \frac{BM}{DC} = \frac{1}{q} \Rightarrow \frac{BM}{DC} = \frac{1}{q} \Rightarrow BM = \frac{1}{q} \cdot DC \\ MC &= r^2n \Rightarrow 19 = r^2n^2 + qn^2 \Rightarrow 19 = r^2\omega n^2 \Rightarrow \omega = \frac{r^2}{\omega} \Rightarrow n = \frac{r}{\omega} \end{aligned} \right\}$$

$$(r^2n)^2 = \left(\frac{19}{\omega}\right)^2 = \frac{19 \times 19}{r^2\omega} = \frac{r^2\omega}{r^2\omega}$$

9



$$\frac{BD}{FD} = ? \quad GE = EC$$

$$GD = \frac{1}{q} BD \quad \triangle AGC: \left. \begin{aligned} AD &= DC \\ GM &= MC \end{aligned} \right\} \rightarrow \text{Medians} \rightarrow FD = \frac{1}{q} GD$$

$$FD = \frac{1}{q} GD \Rightarrow \frac{1}{q} \left(\frac{1}{q} BD\right) = FD = \frac{1}{q} BD \Rightarrow \frac{FD}{BD} = \frac{1}{q} =$$

$$\frac{BD}{FD} = q$$

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