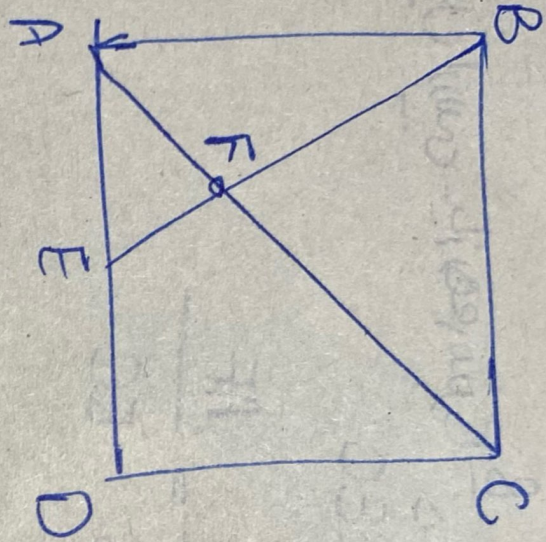




$$ED = \gamma AE$$

$$\frac{EF}{AF} = ?$$

$$\triangle AFE \sim \triangle CFE$$

$$\frac{AF}{FC} = \frac{AE}{ED} = \gamma$$

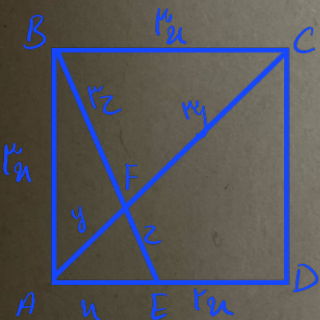
$$\frac{EF}{AF} = \gamma$$

$$AC = AF + FC$$

(K)

نویس اولی - ثانوی

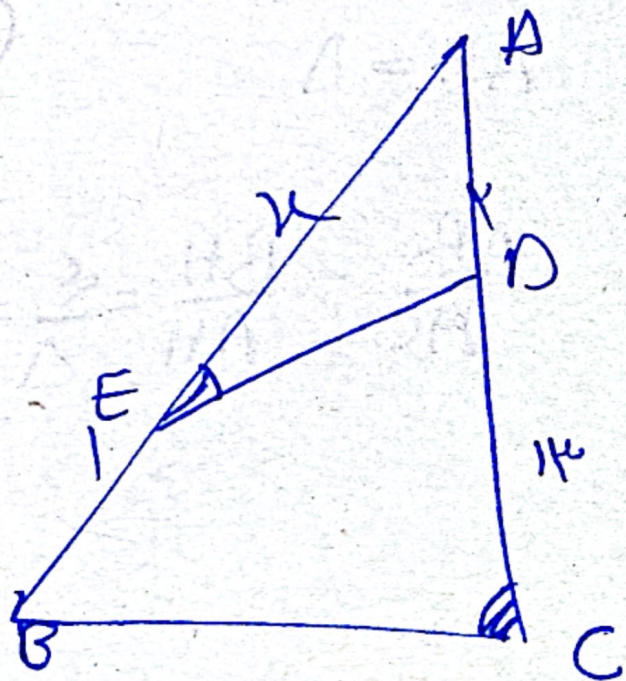
①



$$BE^2 = (x^2) + (u^2) \rightarrow BE = \sqrt{10}u \rightarrow z + y = \sqrt{10}u \rightarrow z = \frac{\sqrt{10}}{2}u$$

$$(AC)^2 = (x^2) + (v^2) \rightarrow AC = \sqrt{10}v \rightarrow y + z = \sqrt{10}v \rightarrow y = \frac{\sqrt{10}}{2}v$$

$$\frac{EF}{AF} = \frac{z}{y} = \frac{\sqrt{10}}{2}$$



$AED \sim ABC$

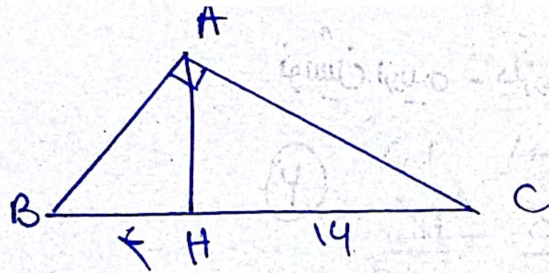
نوٹس اوریس - بارز سس B

$$\frac{BC}{ED} = \frac{\cancel{AB}^{k+1}}{\cancel{AD}^1} = \frac{\cancel{AC}^{2a}}{AE} \quad (4)$$

$$k_c = k^r + k$$

$$k = \infty$$

(5)



$$AH^2 = BH \times HC = 4 \times 14 \quad AH = 1$$

(*)

$$ABH \sim ABC \quad \frac{AB}{AC} = \frac{BH}{AH} = \frac{4}{1} = 4$$

(3)

$$DE \parallel BC \quad \text{If } DE = 2 \quad BF = 3 \quad BC = ?$$

(*)

$$ADE \sim ABC \quad \frac{AE}{AC} = \frac{DE}{BC} \rightarrow \frac{2}{3} = \frac{DE}{BC} = \frac{1}{3}$$

$$4BC = 3DE$$

$$\boxed{BC = 9}$$

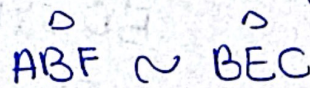
9

$$AC = 2 + 1 \times 3 \quad 2 + 1 \times \left(\frac{2}{3} \times 3\right) = 3$$

$$\frac{DE}{BC} = \frac{2}{3} \quad \boxed{DE = 2}$$



۵) نوشتن اردو - یا زہرہ سرری B



$$\frac{1 + EB}{IK} = \frac{4}{EB}$$

$$(EB - 4)(EB + 11)$$

$$K^r = AF^r + \psi_4$$

$$199 - 29 = AF^2 \quad AF = \sqrt{140} = 11.83$$

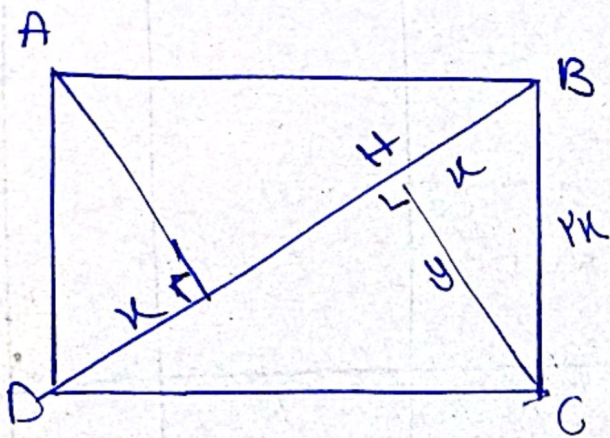
(4)

$$\frac{u + \Delta, \Delta}{1 + u} = \frac{\Delta, \Delta}{\wedge} \rightarrow u = \frac{\mu\mu}{\Delta}$$

$$\frac{AE}{AC} = \frac{AD}{AB} = \frac{DE}{BC} \rightarrow \frac{2}{4} = \frac{DE}{BC} \rightarrow BC = 2DE \quad (1)$$

$$DHE \sim CHF \rightarrow \frac{EH}{FH} = \frac{DH}{CH} = \frac{DE}{CF} \rightarrow \frac{u}{\frac{1}{2}u} = \frac{DE}{CF} \rightarrow CF = \frac{1}{2} DE \quad (r)$$

$$\textcircled{1}, \textcircled{4} \rightarrow BC = BF + CF \rightarrow DE = \frac{9}{F} \quad BC = 1 \times \frac{9}{F} = 9\sqrt{2}$$



$$y^2 = x \times y \quad y = \sqrt{y} x$$

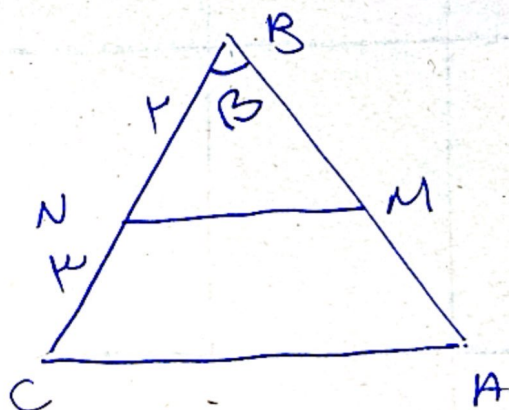
$$BC^2 = x^2 + y^2 \quad BC = y$$

$$DC^2 = y^2 - x^2 = 1 \times y^2 \quad DC = \sqrt{y} x$$

$$\frac{S_{ABCD}}{S_{BHC}} = \frac{\frac{1}{2} \times y \times \sqrt{y} x}{\frac{1}{2} \times x \times \sqrt{y} x} = 1$$

$$= 1$$

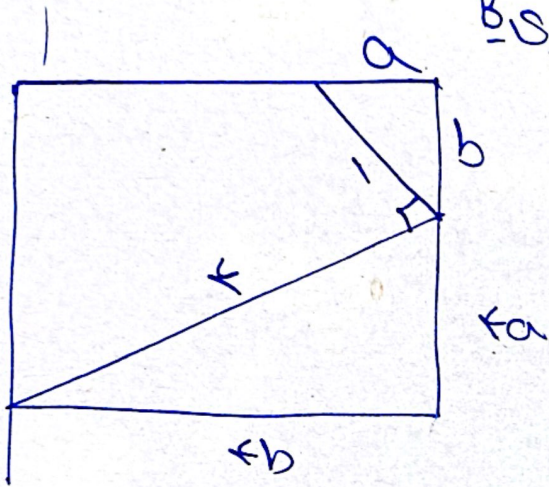
$$\frac{S_{ABC}}{S_{BNM}} = \frac{\frac{1}{2} \times AB \times BC \times \sin B}{\frac{1}{2} \times BM \times BN \times \sin B} = 9$$



$$\frac{BM}{BA} \times \frac{BN}{BC} = \frac{1}{9} \quad \frac{BM}{BA} = \frac{a}{9}$$

$$\frac{BM}{AM} = \frac{a}{x}$$

نوسن اریس - یازدهم



نویسن اریب - یازدهم ریاضی B

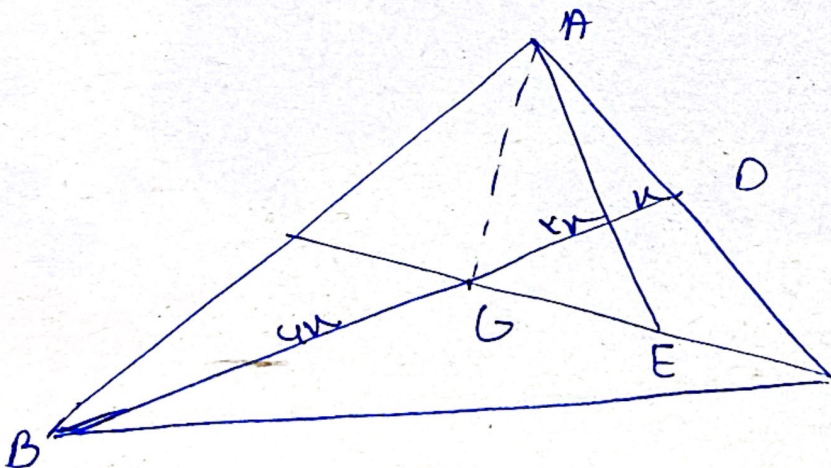
④

$$ka + b = kb \quad a = \frac{3}{k}b$$

$$\left(\frac{3}{k}b\right)^2 + b^2 = 1$$

$$b = \frac{k}{a} \text{ فاصله } = \frac{14}{a} \quad ⑤$$

$$\text{مساحت مربع} = \left(\frac{14}{a}\right)^2$$



⑥

میانهای مثلث به نسبت ۲ به ۱
هر یک را قطع می‌کند ⑤

$$\frac{BD}{FD} = \frac{2k}{k} = ②$$