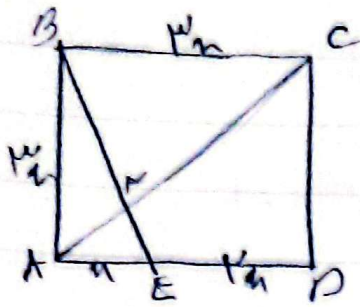


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Gizirli İmparator

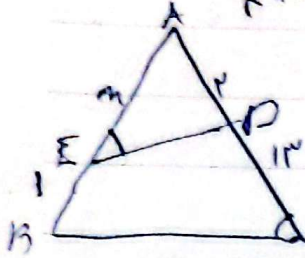


$$AC = \sqrt{m^2 + n^2}$$

$$BE = \sqrt{m^2 + n^2}$$

$$\triangle BCE \sim \triangle AFE \rightarrow AF = \frac{1}{r} AC \quad EF = \frac{1}{r} BE$$

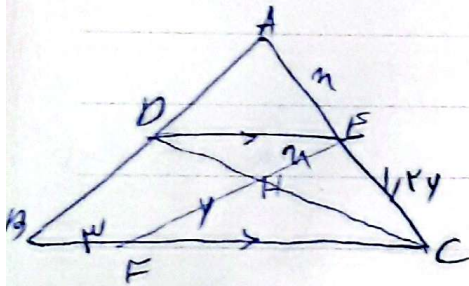
$$\frac{EF}{AF} = \frac{\frac{1}{r} \sqrt{m^2 + n^2}}{\frac{1}{r} \sqrt{m^2 + n^2}} = \frac{\sqrt{m^2 + n^2}}{r}$$



$$\triangle DEP \sim \triangle ACB \rightarrow \frac{DE}{AC} = \frac{AP}{AB}$$

$$m^2 + n^2 = p^2 \rightarrow m^2 + n^2 - p^2 = 0 \quad (m+n)(m-n) = 0$$

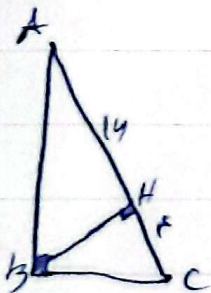
$$m = n$$



$$\frac{DE}{FC} = \frac{m}{n} = \frac{p}{q} \leftarrow \triangle DEH \sim \triangle HCF$$

$$DE \parallel BC \rightarrow \frac{DE}{BC} = \frac{m}{p} = \frac{1}{r}$$

$$\frac{FC + p}{DE} = p \rightarrow \frac{FC}{DE} + \frac{p}{DE} = p \rightarrow DE = \frac{q}{r} \Rightarrow BC = p \times \frac{q}{r} = \frac{q}{r} \sqrt{m^2 + n^2}$$



$$BC^2 = CH^2 + AC^2$$

$$AB^2 = AH^2 + AC^2$$

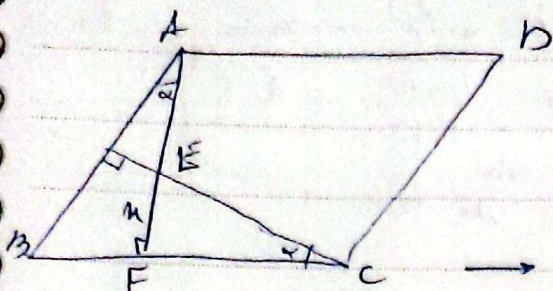
$$\rightarrow BC = \sqrt{m^2 + n^2}$$

$$\rightarrow AB = \sqrt{m^2 + n^2}$$

$$\left. \begin{array}{l} \frac{AB}{BC} = \frac{p}{q} \\ \frac{BC}{AB} = \frac{1}{r} \end{array} \right\}$$

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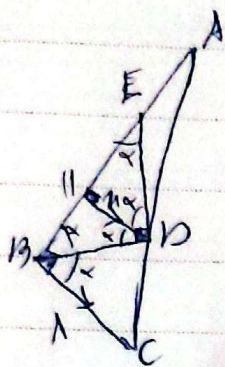
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$$\overset{\Delta}{A} \overset{\Delta}{B} F \sim \overset{\Delta}{C} \overset{\Delta}{E} F \rightarrow \frac{AF}{CF} = \frac{BF}{EF} \Rightarrow \frac{n+1}{1} = \frac{9}{n}$$

$$\rightarrow n+1n-150 \quad n+14)(n-1) \leq 0 \rightarrow n \leq 1 \quad \{$$

$$AF \leq n+AE \leq 1+1 \leq 14 \quad \}$$

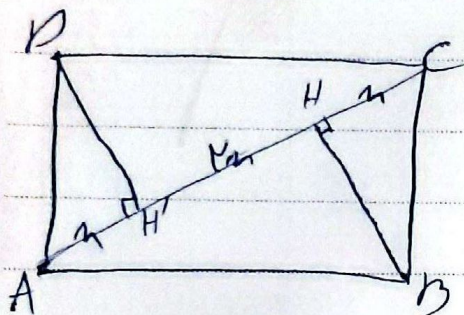


$$\forall \alpha \leq \eta_0 \rightarrow \alpha \leq \epsilon \omega$$

$$B(Cl)OP, B(p) \rightarrow \hat{B} \leq \alpha \Rightarrow K \text{ متساوية التوزيع}$$

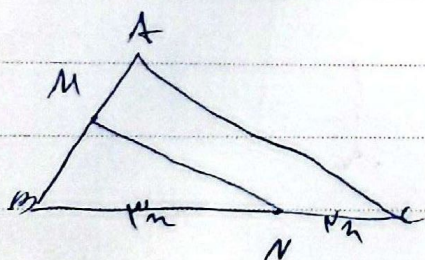
$$n^P \leq d, d, d, d \rightarrow n \leq d, d$$

$$\frac{AB}{AB} \cdot \frac{OD}{BC} \rightarrow \frac{y+d/d}{y+11} = \frac{d/d}{1} \rightarrow y = \frac{11}{d} = \boxed{4,4}$$



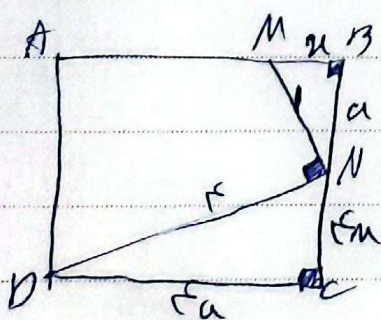
$$S_{BAC} = \frac{HP_B \times \eta}{\gamma} \quad S_{ABC} = \mu S_{ABC} = \frac{\mu P_B H \times \eta}{\gamma} - V$$

$$\frac{S_{ABCD}}{S_{MHC}} = 5$$



$$\frac{S_{ABC}^A}{S_{B \Delta MN}} = \mu = \frac{\frac{1}{\sqrt{3}} \times AB \times BC \times \sin B}{\frac{1}{\sqrt{3}} \times BM \times BN \times \sin B}$$

$$\rightarrow \frac{AB}{BM} = \frac{q}{\omega} \quad \frac{AB \cdot BM}{BM} = \frac{q}{\omega} \rightarrow \frac{BM}{MA} = \frac{\omega}{f}$$



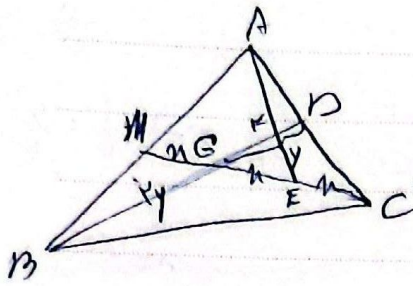
$$M^A B N \sim N^A C B \rightarrow \frac{MN}{BN} = \frac{MB}{NC} = \frac{BN}{PC} = \frac{1}{r} \quad - 9$$

ex $\rightarrow t_m + d = \frac{r}{v_a} \rightarrow a = \frac{r}{p} n$

$$\left(\frac{r}{r_0}\right)^{\frac{1}{2} + \frac{\mu}{\omega}} \rightarrow \frac{\mu}{\omega} \quad S = \left(\frac{1}{\omega} \times \frac{r}{r_0} \times r_0\right)^{\frac{1}{2} + \frac{\mu}{\omega}}$$

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$\triangle AGC \rightarrow AF, GD$ ميان $\leftarrow$ ميان پيرايه لپه ۱

$$GF = \frac{1}{3}y \quad FD = \frac{2}{3}y \quad \frac{BD}{FD} = 9$$

$\triangle AGC \rightarrow BD$ ميان $\leftarrow$ ميان پيرايه لپه ۲
 $\triangle ABC$ ميان

۱۰