

$$\frac{FC}{AF} = \frac{r}{1} \Rightarrow AC \times \frac{1}{r} = AF = \frac{r_{ST}}{r}$$

$$\frac{BF}{EF} = \frac{2}{1} \Rightarrow BF \times \frac{1}{2} = \frac{\sqrt{10}}{2} \Rightarrow EF$$

$$\frac{\frac{519}{F}}{\frac{KSP}{F}} = \frac{519 \times 50}{KSP} = \frac{50}{F}$$

$$\frac{AD}{AB} = \frac{ED}{BC} = \frac{AE}{AC}$$

$$\Rightarrow \frac{y}{1+m} = \frac{n}{y+n} \Rightarrow \frac{y}{1+m} = \frac{n}{10} \quad y_0 = n(m+1) \Rightarrow \underline{n=6}$$

$$Df = a$$

$$\frac{PK'}{PK'} = \frac{a}{BC}$$

$$W_{AC} = BC$$

$$\frac{a}{va-r} = \frac{r}{a}$$

$$\Rightarrow 9a - 9 = 18a$$

$$9a = 9$$

$$\frac{q}{\mu} \times \mu = \frac{qv}{\mu} = BC$$

$$AB^T = I_9 \times I^c$$

$$AB = \sqrt{50}$$

$$AC^Y = 14 \times 19$$

$$AC = 150$$

$$\frac{AB}{AC} = \frac{1}{4}$$

A diagram of a parallelogram with a diagonal. A vertical line segment is drawn from the top-left vertex to the bottom side, perpendicular to it. The bottom-left angle is labeled β . The top-left angle is labeled α . The vertical segment is labeled a . The bottom side is labeled γ . The diagonal is labeled λ . The bottom-right angle is labeled α . The right side is labeled $\lambda + c$.

$$\frac{y}{a} = \frac{1+q}{\cancel{1}}$$

$$\nabla \wedge = \nabla a + a \nabla$$

$$a \approx 1, -1$$

$$A \otimes a = A \cdot F = A \cdot \beta = 1 \times$$

D H L A B

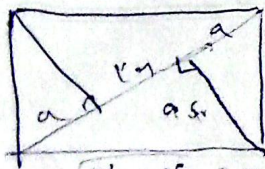
$$B \subset \mathbb{H}^n$$

$$B \subset A \quad B_1 = B_2 = \dots \in B$$

$$\frac{n + \omega, \omega}{\omega, \omega} = \frac{n + 1}{\wedge}$$

$\Rightarrow n = 4, 9$

V)

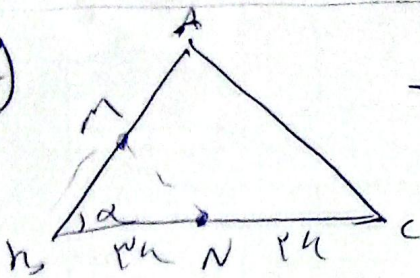


$$\frac{a \times a}{2} = \frac{1}{2} a \times a$$

$$\text{جواب} = \frac{1}{2} a \times a$$

$$\frac{a \times a \times \sqrt{2}}{a \times a \times \sqrt{2}} = 1$$

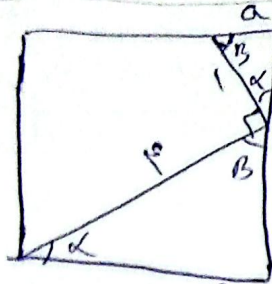
1)



$$\frac{S_{BMN}}{S_{ABC}} = \frac{\frac{1}{2} a \times BN \times BM}{\frac{1}{2} a \times BC \times BA} = \frac{1}{4}$$

$$\frac{BM}{BA} = \frac{1}{2} \Rightarrow \frac{BM}{BA - BM} = \frac{1}{1} = \frac{1}{1}$$

2)



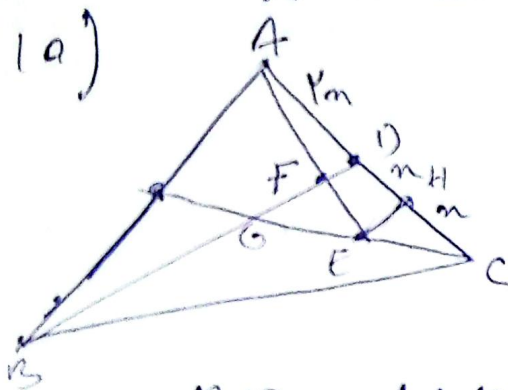
$$a + b = 10$$

$$a = 4k$$

$$b = 6k$$

$$\Rightarrow S = 10 / 10$$

1a)



$$EH \parallel FD \Rightarrow EH = 4k$$

$$FD = 4k$$

$$\Rightarrow EH = 4k \Rightarrow GD = 4k \Rightarrow BG = 16k$$

$$\Rightarrow BG = 4 \times 4k = 16k$$

$$\frac{BD}{FD} = \frac{16k}{4k} = 4$$

$$BD = BG + GD = 16k + 4k = 20k$$

A ...