

$$\textcircled{1} ED \perp AE \Rightarrow AE \perp ED \quad AE \perp AD$$

$$AB \parallel CD \Rightarrow \triangle AFE \sim \triangle AFC$$

$$\frac{AF}{AC} = \frac{AE}{AD} \Rightarrow \frac{AF}{AC} = \frac{AE}{AD}$$

$$EF \perp AC - AF \perp AC \Rightarrow \frac{EF}{AF} = \frac{AE}{AD} \Rightarrow EF \perp AE$$

$$\textcircled{2} \text{ مقلوب } A \text{ میں } \therefore \triangle ADE \sim \triangle AED$$

$$\triangle AED \sim \triangle AED$$

$$\frac{AE}{AC} = \frac{AD}{AB} \Rightarrow \frac{x}{10} = \frac{y}{x+1} \Rightarrow x^2 + x - 10 = 0$$

$$(x+9)(x-1) = 0$$

$$\textcircled{3} DE \parallel BC \Rightarrow \triangle ADE \sim \triangle ABC \Rightarrow \frac{AE}{AC} = \frac{AF}{AB}$$

$$AG = x, EG = \frac{15}{y}, FH = y, EH = x$$

$$DE \parallel BC \Rightarrow \triangle ADE \sim \triangle ABC \Rightarrow \frac{AE}{AC} = \frac{AF}{AB}$$

$$AC = AE + EC = x + \frac{15}{y}$$

$$y = \frac{10}{x}$$

$$\frac{AE}{AC} = \frac{x}{x + \frac{15}{y}} = \frac{y}{y + 1} = \frac{AF}{AB} \Rightarrow AB = \frac{y}{y+1} AF$$

$$\frac{BC}{DE} = \frac{AB}{AD} \Rightarrow BC = y$$

SUBJECT:

Year:

Month:

Day:

$$a^T_4 b^T_5 c^T_6 E_0$$

Page : ()

$$S_s \frac{1}{r} \alpha \rho \times C_s E_o$$

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$$h_s \frac{ab}{c} \rightarrow h_s (s) \frac{ab}{\mu} \rightarrow ab_s \wedge o$$
$$a \uparrow b \uparrow \infty \rightarrow \left(\frac{1}{P} \right)$$
$$a \times b \in \mathbb{N}$$
~~$$K_2 \Delta_2 \rightarrow K_1 \Delta_1 + \Delta_0$$~~
$$\frac{AB^r}{AC^r} = \frac{AD}{AE} = \frac{AF}{AG}$$
$$\frac{AB}{AC} = \sqrt[n]{\frac{1}{E}} = \frac{1}{r}$$
$$A \cup B \subseteq A$$

AE-5DC

BF₃ 9

$S \rightarrow A D \times B F, 1 \times 9, 5 \wedge E$

Ans 1c

$$\sum_s A E_s A E_s \propto A F$$
$$A \times A \times A \times A \times A$$
$$A F_s \frac{\Delta E}{\Delta} 56,4$$

(4)

~~AB~~ ~~BC~~

11

$$Bc \leq A \quad B \leq E_{s11}$$
$$\frac{AD}{DC} = \frac{AB}{BC} \stackrel{||}{\sim} \frac{AE}{AB} = \frac{AD}{AC} \rightarrow AE \parallel BC \text{ (by converse of Thales' theorem)}$$

(N) BN_5Nc

ВН^у АИ. Нс

Alt 59

$$BH^T \pi(\kappa_1 a)_s \kappa a^T \rightarrow BH_s \pi \sqrt{\kappa}$$

HK 572

$$\frac{5.6 \times 10^{-5}}{r} \text{ AN} \cdot \text{BH} \cdot \frac{1}{r} \times 2 \times 10^6 \times \frac{\sqrt{r}}{r} \times 10^4$$

Кс. 2

$$S_{\mathcal{A}}^{\vee} = Y \times \frac{1}{p} \times A \times B/H \subseteq X, \quad X\sqrt{p} \subseteq \sqrt{p}X$$
$$\frac{S_{ij}''}{S_{ij}'} = \frac{F \sqrt{F} x^{\frac{1}{2}}}{C^{\frac{1}{2}}} \propto \sqrt{F}$$

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①

$$\frac{BN}{NC} = \frac{r}{p}$$

$$\frac{BN}{BC} = \frac{r}{a}$$

$$\frac{S_{BMN}}{S_{ABC}} = \frac{BM}{AB} \times \frac{BN}{BC}$$

$$= \frac{1}{p}$$

$$\frac{1}{p} = \frac{BM}{AB} \times \frac{r}{a} = \frac{BM}{AB} = \frac{1}{p} \times \frac{a}{r} = \frac{a}{r}$$

$$\frac{BM}{AM} = \frac{AK}{EK} = \frac{a}{r} \quad \text{--- (1)}$$

② $d^r E^r + 1^r + 1^r + 1^r + 1^r \rightarrow 1V$

$$S = \frac{d^r}{r} = \frac{1V}{r} = \Delta 10$$

~~1a~~ ~~BC~~ ~~st~~

~~st~~ ~~st~~ ~~st~~

$$\frac{BD}{FD} = 9$$

$$\frac{A+B+C}{r} = G$$

$$\frac{A+C}{r} = D$$

$$\frac{66}{r} = 1 \Rightarrow r = 66$$

$$\frac{A+B+C}{r} = \frac{C + \frac{A+B+C}{r}}{r} = \frac{G+C}{r} = E$$

$$\frac{t}{4} = 1 \Rightarrow t = 4$$

$$\frac{r}{r} \times \frac{r}{r} = \frac{96}{r} = 1 \Rightarrow r = 96$$

~~st~~

~~A+B+C = 1~~

$$\frac{6}{r} = \frac{t}{r} = 1$$

$$\frac{1}{r} = \frac{r}{r} \times \frac{r}{r} = 1 \quad \frac{1}{r} = \frac{1}{r} \times \frac{r}{r} = \frac{FD}{r} = 1$$