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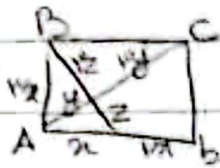
Color

$$ED = yAE$$

$$\frac{EF}{AF} = 0$$

$$AC \rightarrow \text{PST } x = y \rightarrow y = \frac{y \cdot y}{x} \cdot x (AF) \quad (1)$$

$$BE \rightarrow \text{STO } x = y \rightarrow \frac{y \cdot x}{x} = 2 (EF) \quad (2)$$



$$\frac{EF}{AF} = \frac{\frac{y}{x}}{\frac{y \cdot y}{x}} = \frac{y}{y \cdot y} = \frac{1}{y}$$

$$ABC \sim AED \xrightarrow{\text{S.S.S}} \frac{AB}{AD} = \frac{BC}{ED} = \frac{AC}{AE} \quad (1)$$

$$\frac{x+1}{1} = \frac{10}{x} \rightarrow \frac{10}{x} \rightarrow x=0 \quad \underline{x=0}$$

$$xy = 0x \rightarrow x = 0 \quad y = 0 \quad (2)$$

$$CHF \sim DHE \rightarrow \frac{HE}{HF} = \frac{y}{0} \rightarrow DE = ym$$

$$DE \parallel BC \rightarrow \frac{DE}{BC} = \frac{AE}{AC} = \frac{y}{40m} = \frac{1}{4} \quad m = 0.4$$

$$BC = 4.40$$

$$CEF \sim ABE \xrightarrow{\text{S.S.S}} \frac{x}{y} = \frac{1}{x+y} \rightarrow \frac{x=y}{AF=11} \quad (3)$$

$$AB^2 = BH \cdot BC = 10 \quad AC^2 = CH \cdot BC = 10 \cdot 40 \quad (4)$$

$$\frac{AC^2}{AB^2} = 4$$

$$\frac{AC}{AB} = 2$$

$$\frac{x+0.0}{x+11} = \frac{0.0}{1} \Rightarrow x = 0.4 \quad (5)$$

AZADEH

Since 1989

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مسئله

$$AD^2 = x \cdot 4x$$

$$BC^2 = 4x \cdot 4x$$

$$BH^2 = x \cdot 4x$$

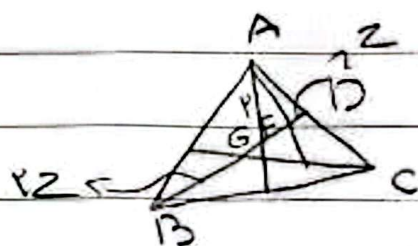
$$\frac{S_{\Delta BCD}}{S_{\Delta BAH}} =$$

(v)

$$A = \frac{\sqrt{4x} \times 4x}{\sqrt{4x} \times 4x \times 0.5} = \frac{BC \times AB}{BH \times 0.5 \times AH}$$

(1x)

(9x)



$$\frac{BD}{FD} = \frac{4x}{0.5 \times 4x} = 4$$

(16)