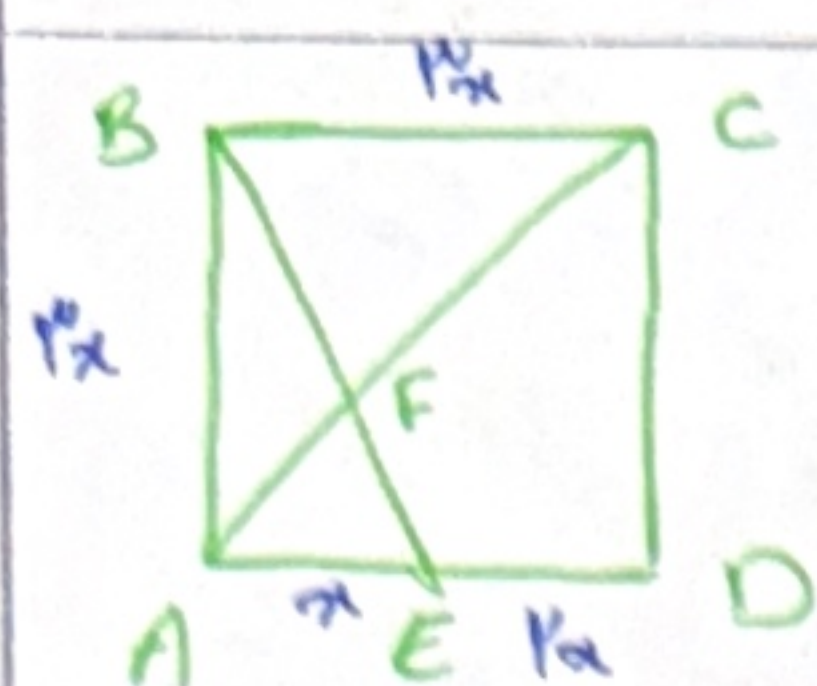


نام و نام خانوادگی: نام: نام خانوادگی: پاسنامه تشریحی تکلیف شماره ۲۱ کلاس: **باز هم زنگ** B



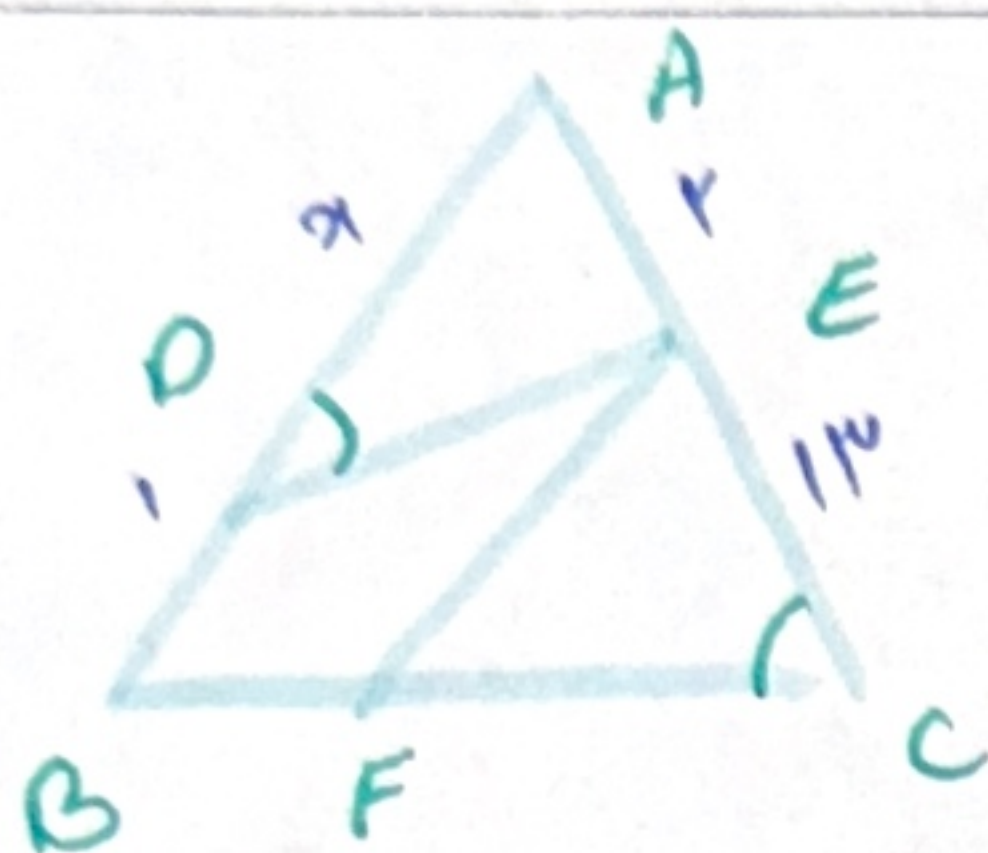
$$\frac{EF}{AF} = ?$$

$$AC \Rightarrow \sqrt{\left(\frac{12}{2}\right)^2 + \left(\frac{12}{2}\right)^2} = \sqrt{18 \times 2} = 12\sqrt{2}$$

$$AF = \frac{12\sqrt{2}}{2}$$

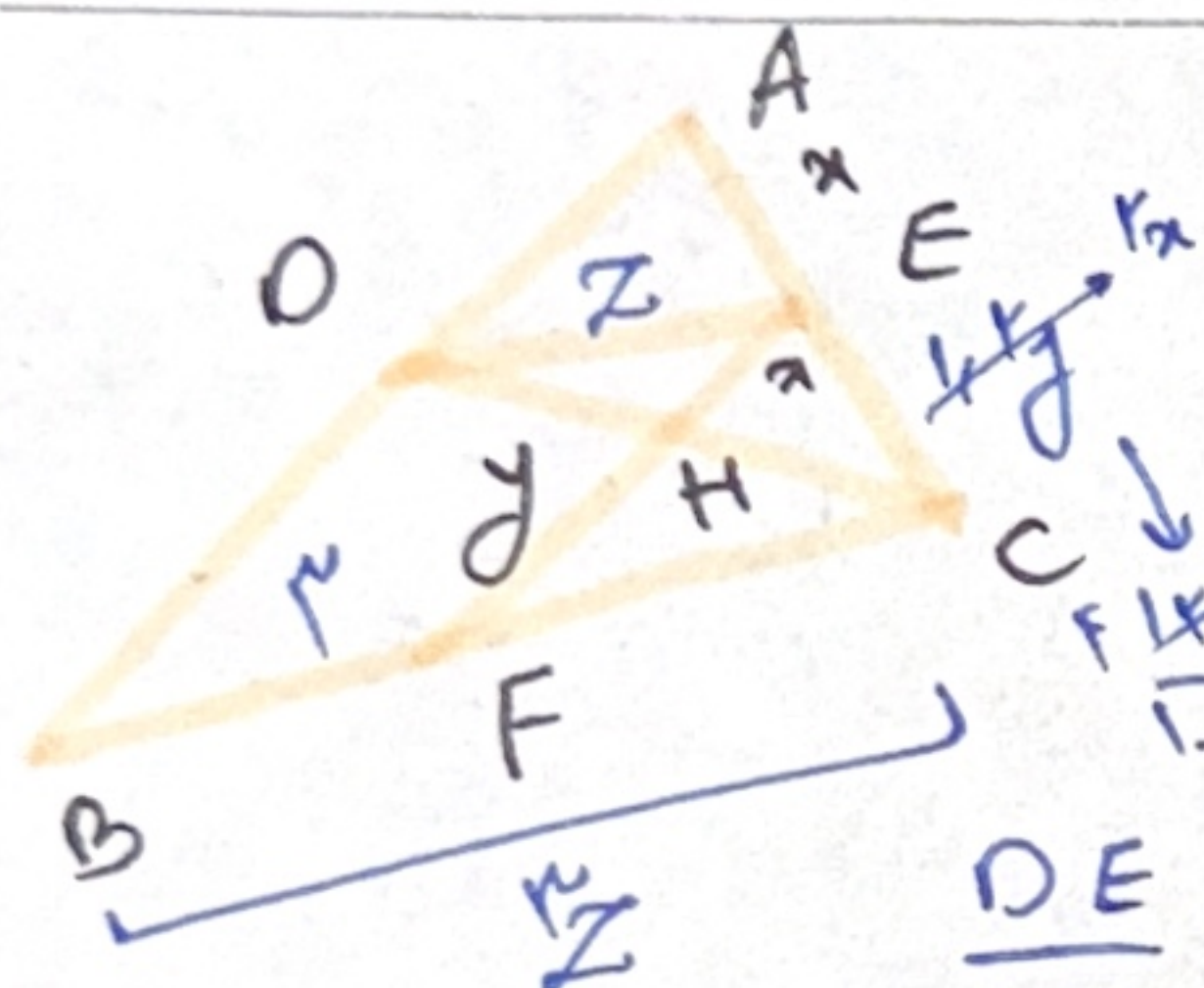
$$BE \Rightarrow \sqrt{\left(\frac{12}{2}\right)^2 + 12^2} = \sqrt{4 \times 12^2 + 12^2} = 12\sqrt{13} \Rightarrow EF = \frac{12\sqrt{13}}{13}$$

$$\frac{\frac{12\sqrt{13}}{13}}{\frac{12\sqrt{2}}{2}} = \frac{\sqrt{13}}{\sqrt{2}}$$



$$\triangle ADE \sim \triangle ACB$$

$$\frac{x}{10} = \frac{y}{x+1} \Rightarrow x^2 + x - 10 = 0 \Rightarrow (x+4)(x-5) \Rightarrow x = 5$$



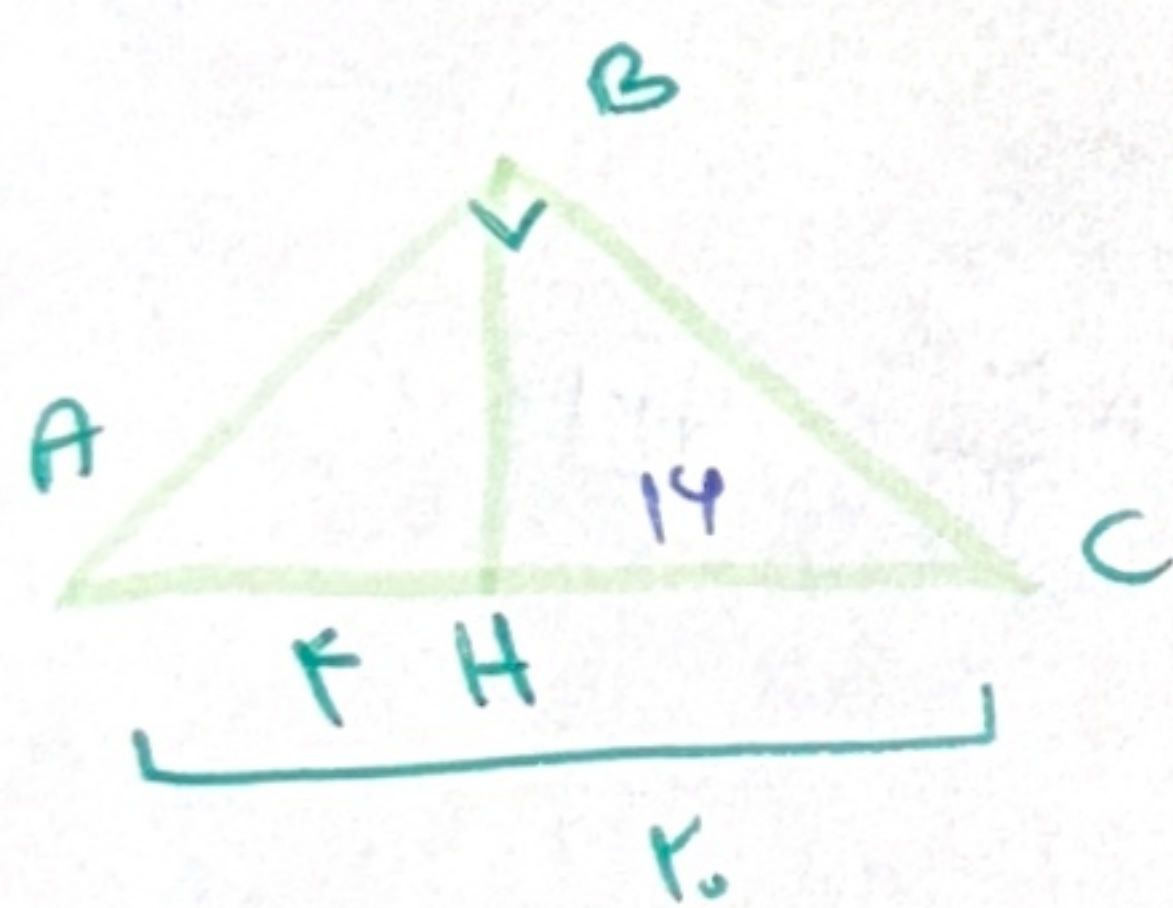
$$y = \omega x \rightarrow y = \frac{\omega}{\mu} x$$

$$BF = \mu, BC = ?$$

$$\frac{DE}{BC} = \frac{1}{\mu}, \frac{DE}{FC} = \frac{x}{\frac{\omega}{\mu} x} = \frac{\mu}{\omega} \Rightarrow \frac{DE}{BC} = \frac{\mu}{\omega} = \frac{1}{\mu} \Rightarrow \frac{DE}{FC} = \frac{\mu}{\omega} = \frac{1}{\mu} \Rightarrow \frac{DE}{BC} = \frac{1}{\mu} = \frac{1}{\omega} = \frac{BC}{FC}$$

$$\frac{FC}{FC+\mu} = \frac{\omega}{\mu} \Rightarrow \frac{FC}{\mu} = \frac{\omega}{\mu} \Rightarrow FC = \omega = \mu \cdot \frac{\omega}{\mu} = \mu \cdot \frac{1}{\mu} = 1$$

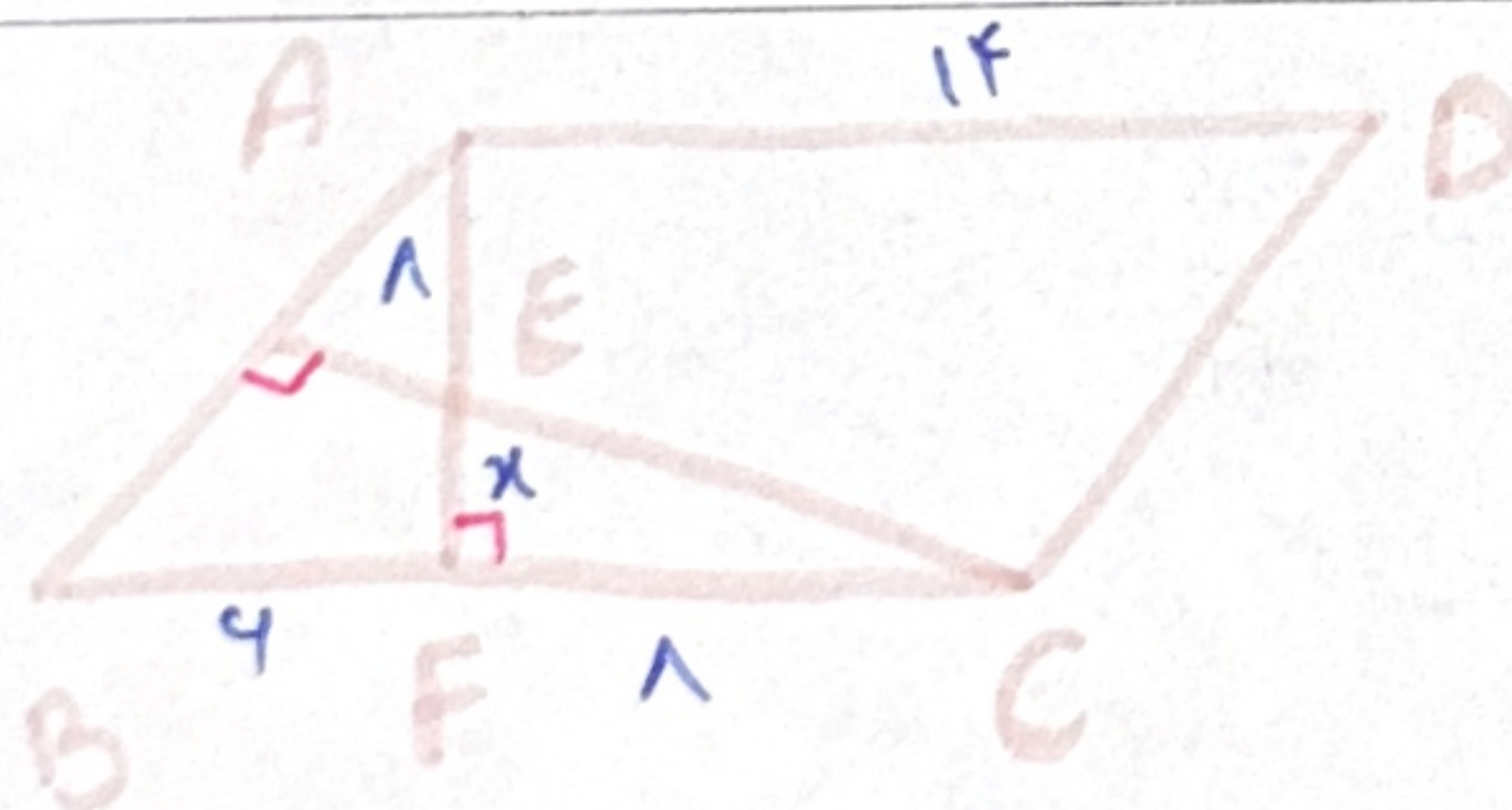
$$BC = \mu + \mu \cdot \frac{1}{\mu} = 2$$



$$AB^2 = AH \times AC \Rightarrow AB^2 = 4 \times 12 \Rightarrow AB = \sqrt{48} = 4\sqrt{3}$$

$$BC^2 = CH \times AC \Rightarrow 14 \times 12 \Rightarrow BC = \sqrt{168} = 4\sqrt{14}$$

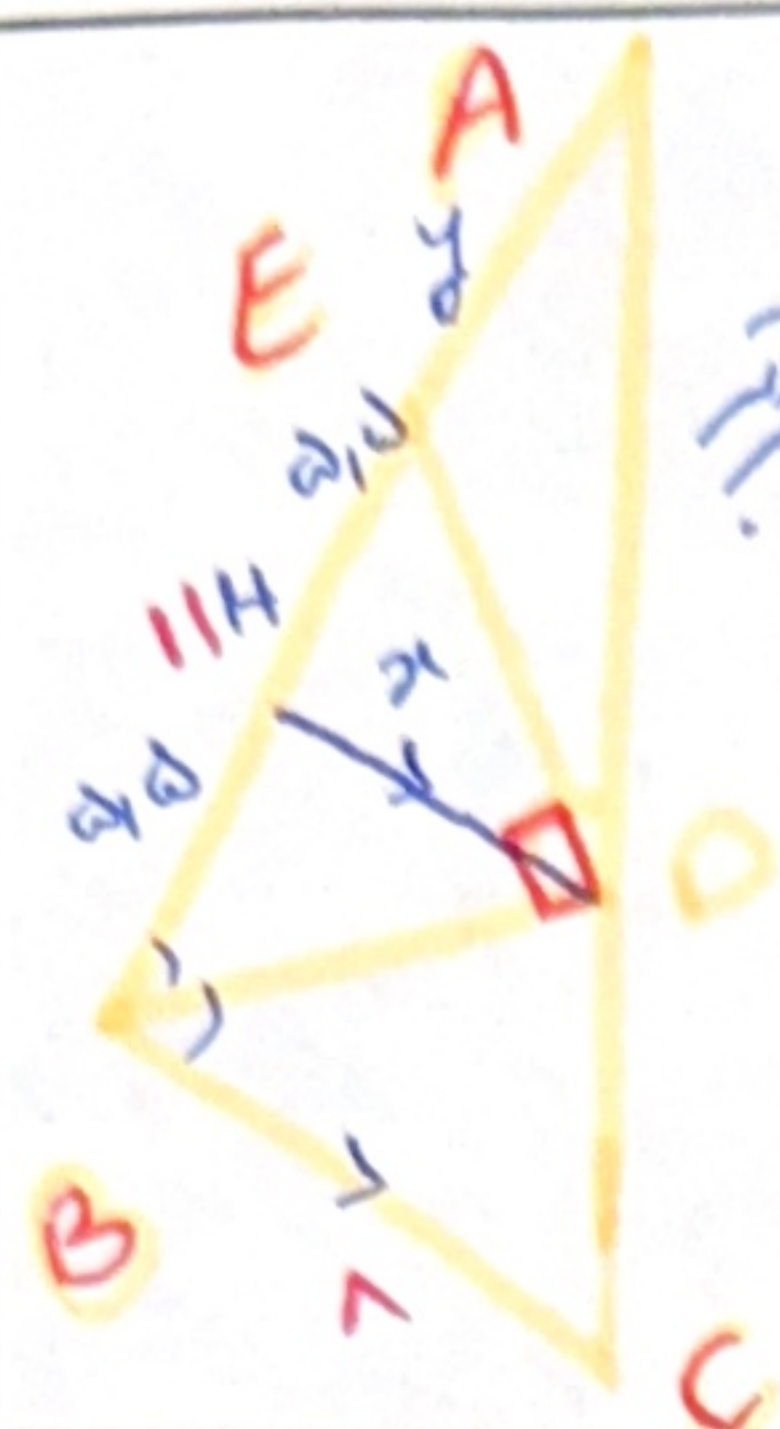
$$\frac{BC}{AB} = \frac{4\sqrt{14}}{4\sqrt{3}} = \sqrt{\frac{14}{3}}$$



$$\triangle BAF \sim \triangle ECF$$

$$\frac{BF}{EF} = \frac{AF}{CF} \Rightarrow \frac{4}{x} = \frac{1+x}{1} \Rightarrow x^2 + 1x - 4 = 0 \Rightarrow (x+4)(x-1) = 0 \Rightarrow x = 1$$

$$AF = 1 + 1 = 2$$



ایکس واپس $\Rightarrow \omega_1 \omega = BH = EH$

مجلس

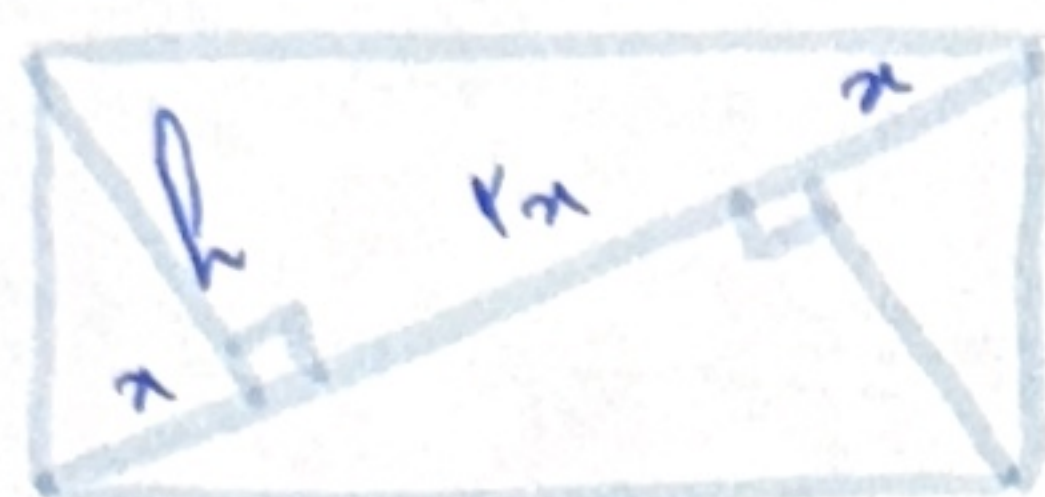
$$\alpha' = \partial_1 \partial x \partial_1 \partial \Rightarrow \alpha = \frac{11}{r}$$

$$\frac{AH}{AB} = \frac{DH}{BC} \Rightarrow$$

$$\frac{y + 5/2}{y + 11} = \frac{11}{14} \rightarrow 14y + 35 = 11y + 154$$

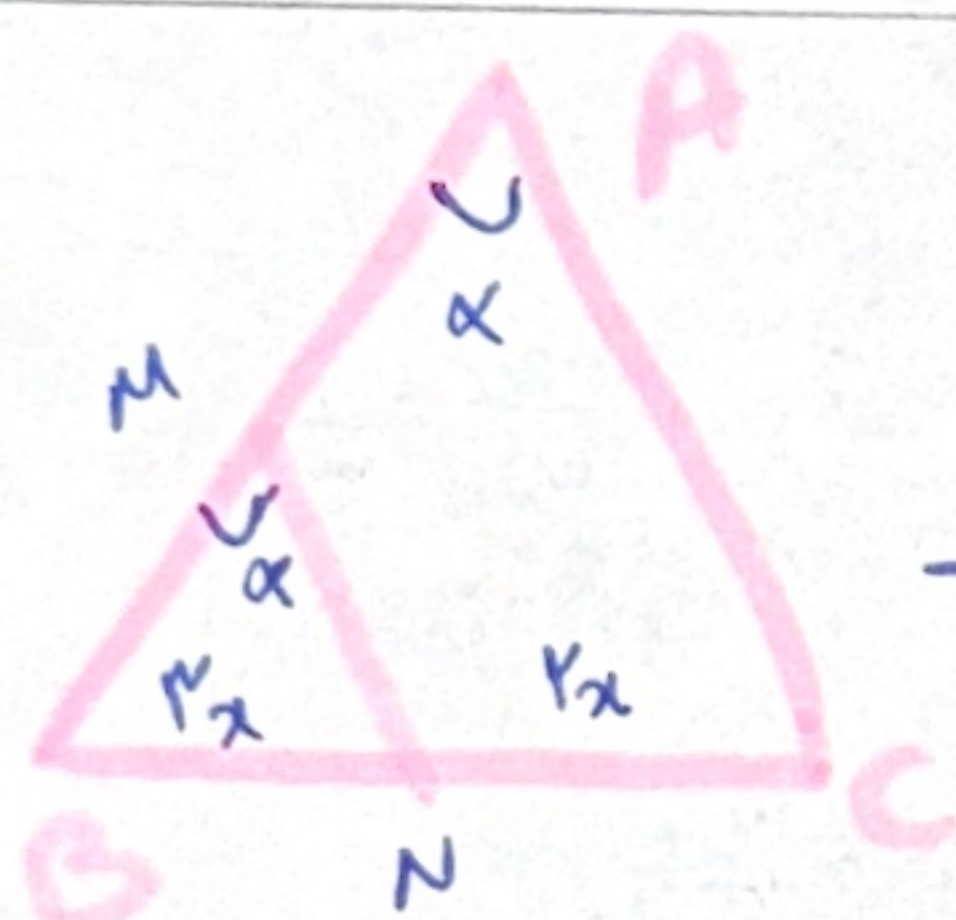
$$3y = 119 \rightarrow y = 39.67$$

$$\partial g = r r = g = 4.4$$



$$\frac{F_{axh}}{\frac{axh}{r}} = \wedge$$

جواب $\rightarrow$ $\frac{b}{x} \times \frac{1}{x} = \frac{b}{x^2}$

$$\frac{1}{\sqrt{2}} \rightarrow \frac{x \times h}{y}$$


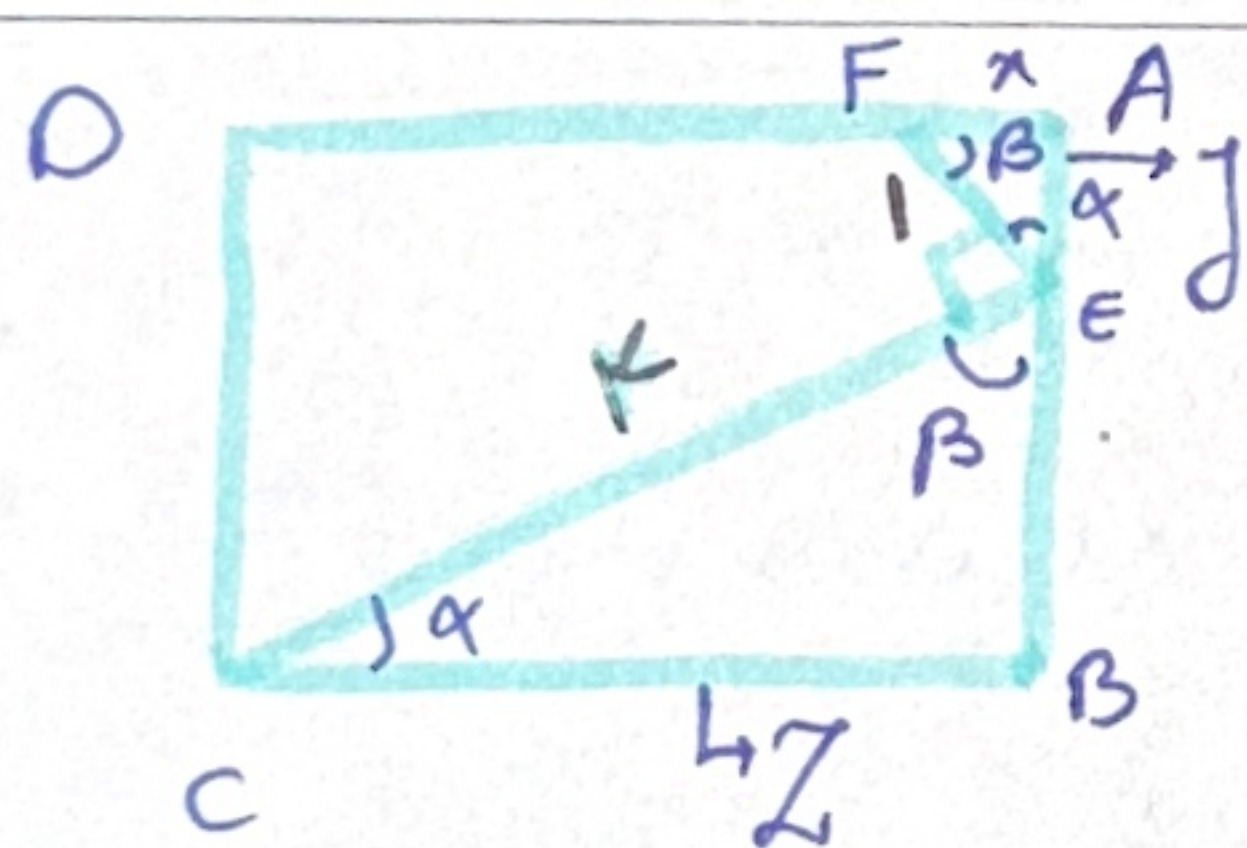
$$Y_{BN} = \mu_{NC}$$

$$\frac{S_{\triangle ABC}}{S_{\triangle BMN}} = \frac{1}{1} \Rightarrow \frac{BM}{AM} = ?$$

$$\frac{I_{ABC}}{I_{BMN}} = \frac{AB \times BC \times \cancel{\frac{\sin \alpha}{r}}}{BM \times BN \times \cancel{\frac{\sin \alpha}{r}}} \Rightarrow \frac{AB}{BM} \times \frac{\omega}{\nu} = \nu \Rightarrow \frac{AB}{BM} = \frac{g}{\omega}$$

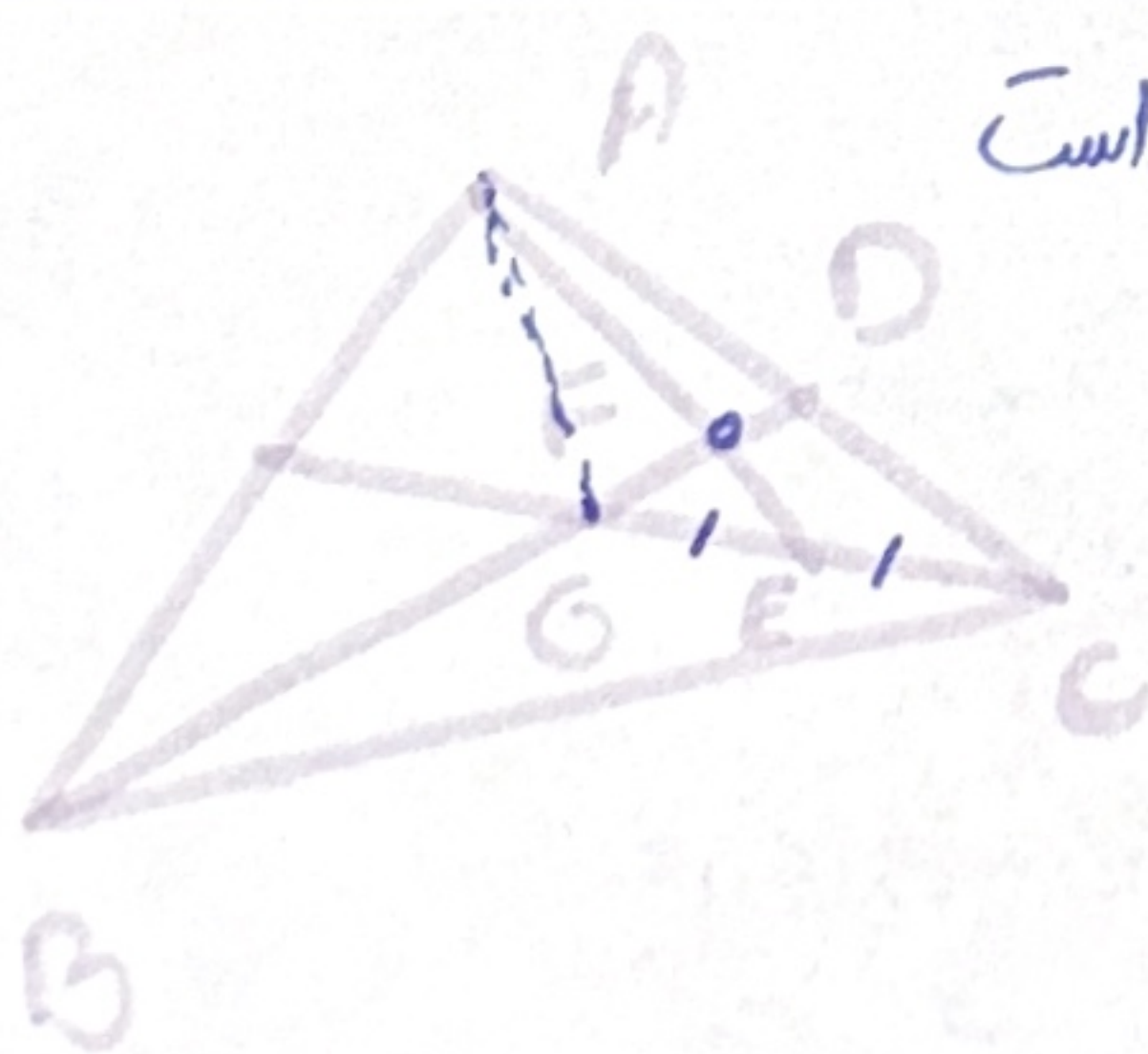
$$\frac{B_M}{A_M} = \frac{\omega}{K} =$$

1125



$$\frac{x}{z-y} = \frac{y}{z} = \frac{1}{k} \Rightarrow y = \frac{z}{k}, x = \frac{z}{14}$$

$$\alpha \quad Z^r \cdot \left(\frac{r}{r}\right)^r = r \Rightarrow Z^r = 14 - \frac{9}{14} \Rightarrow Z^r = \frac{14^r}{r_0} = \boxed{1,7 \text{ RF}}$$



$F \Rightarrow FD = \frac{1}{2} GD$ (در مثل AGC است)

$$GD = \frac{1}{n} BD \Rightarrow \frac{BD}{ED} = 9$$