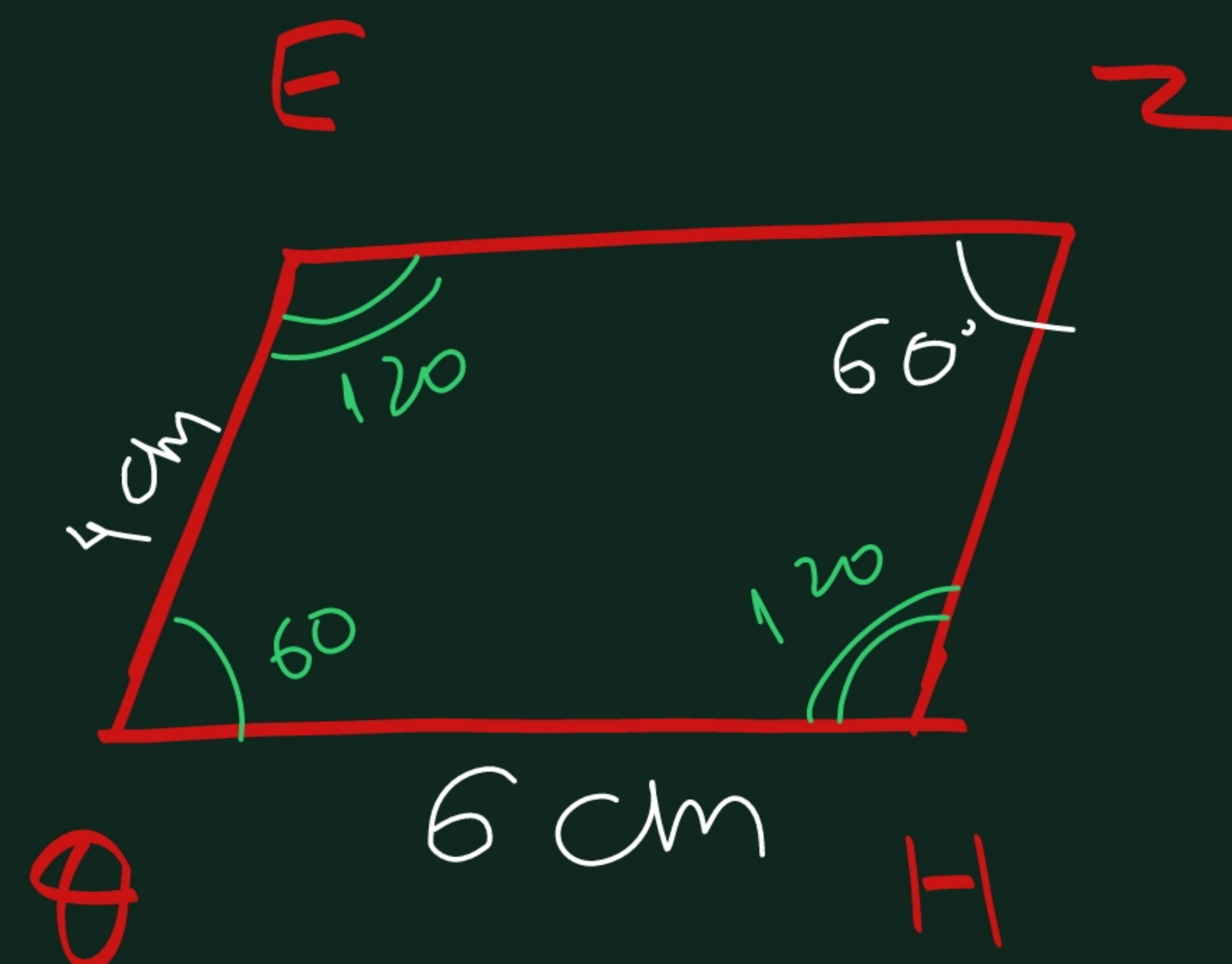
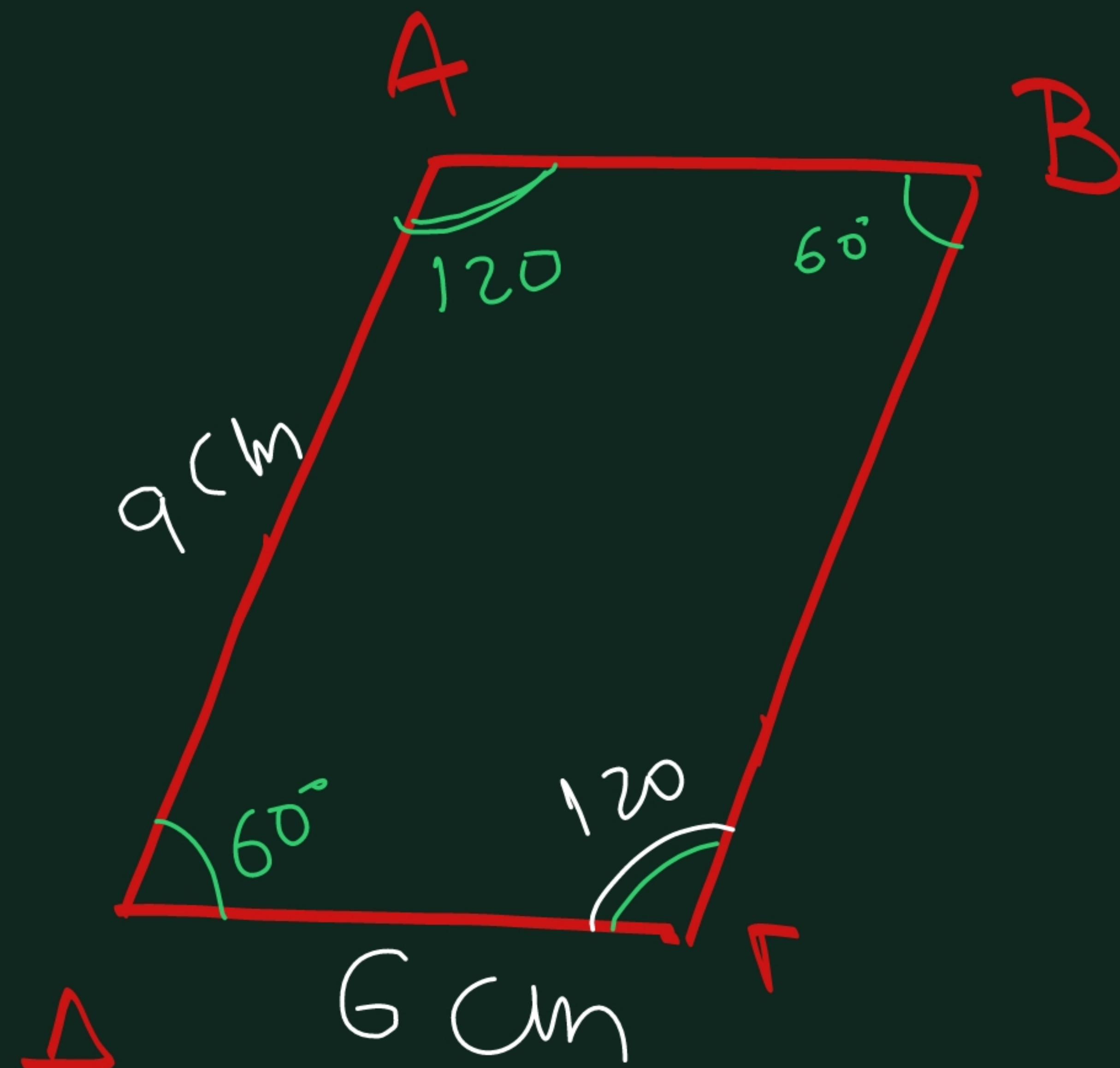


1) B
0.218



Kau

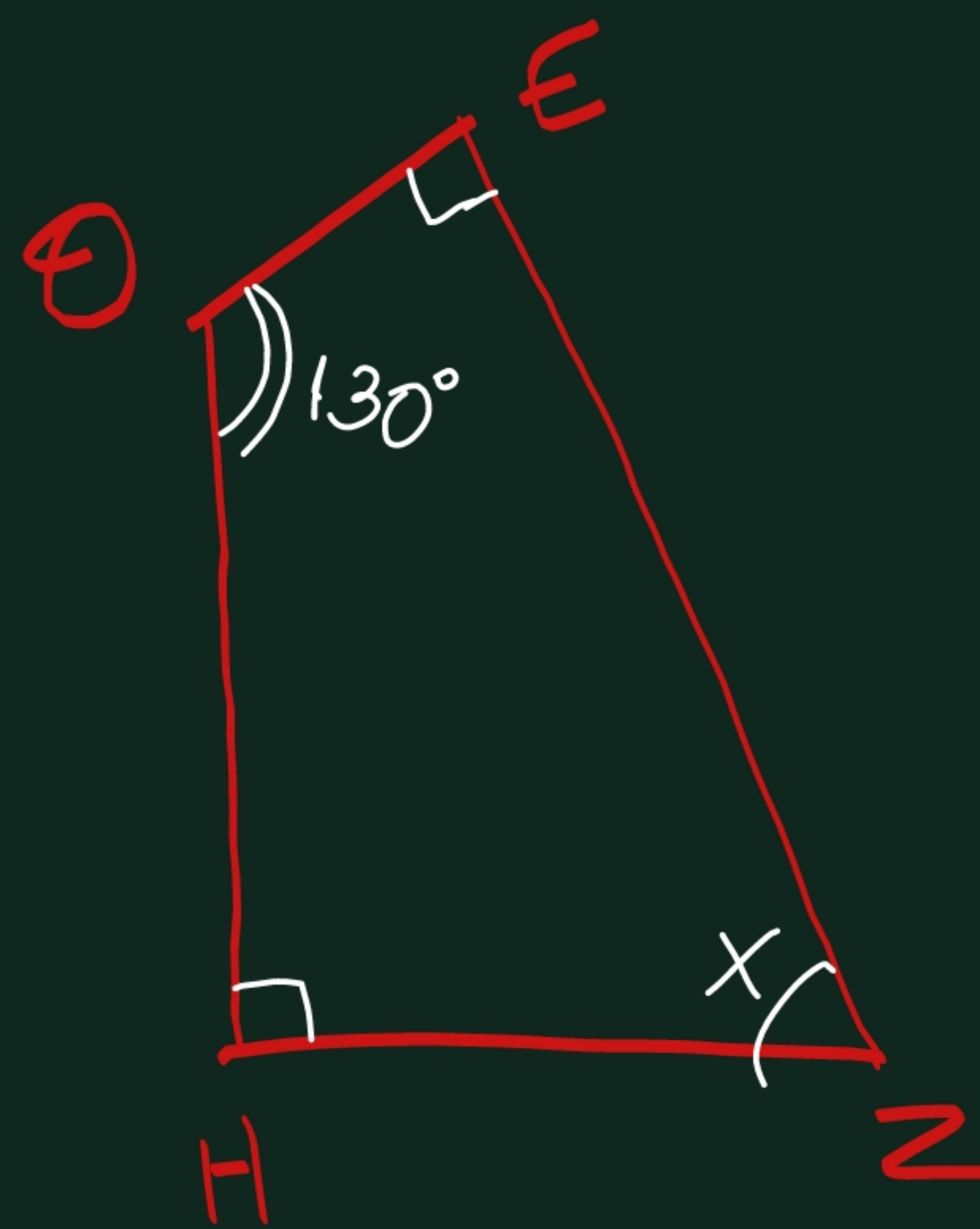
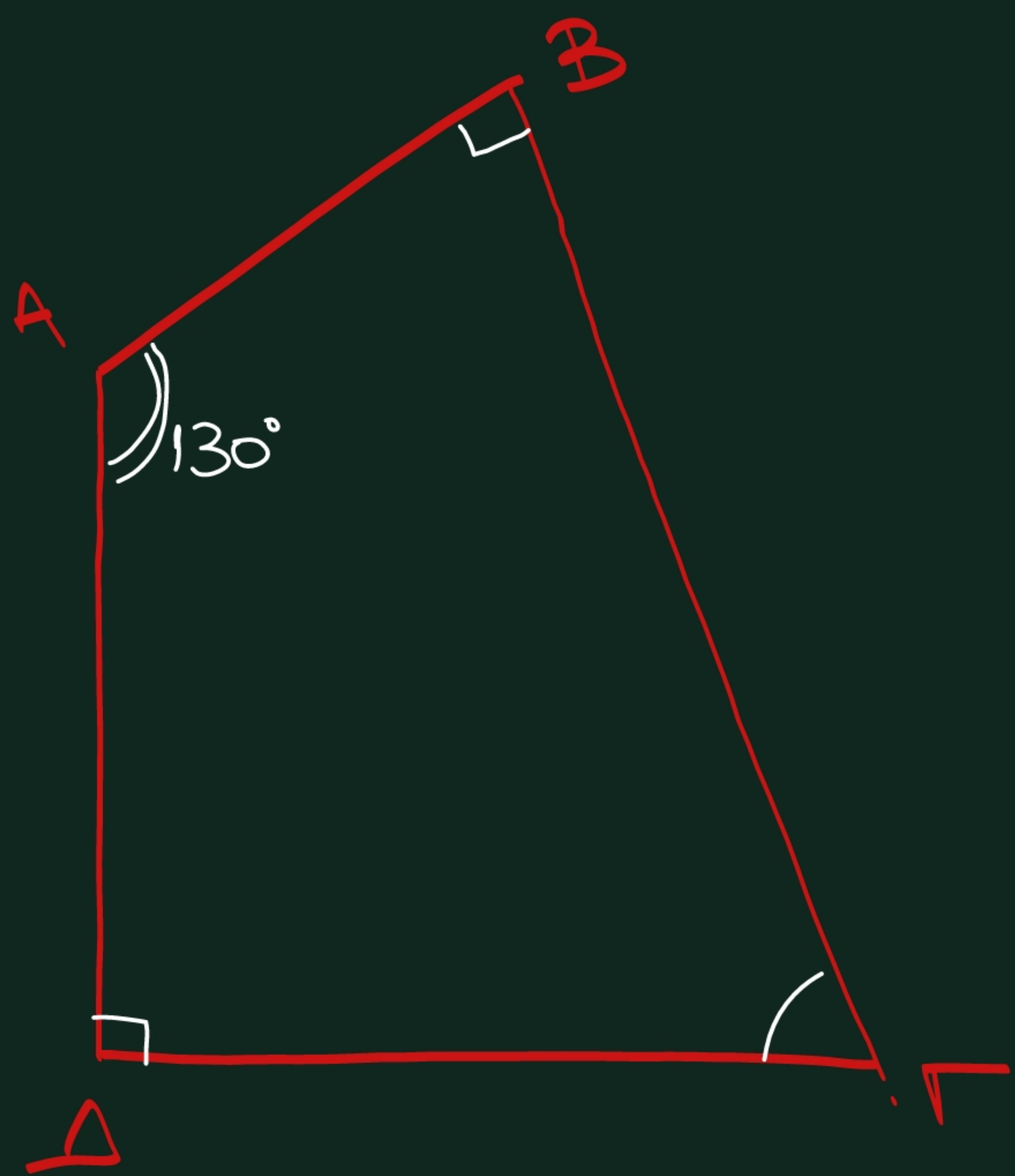
$$\left. \begin{array}{l} \text{Exw} \quad \hat{A} = \hat{E} \\ \hat{B} = \hat{Z} \\ \hat{\Gamma} = \hat{\Theta} \\ \hat{\Delta} = \hat{H} \end{array} \right\} \Rightarrow$$

$$AB\Gamma\Delta \sim EZH\Theta$$

$$\left. \begin{array}{l} \text{Exw} \quad \frac{\Gamma\Delta}{A\Delta} = \frac{6}{9} = \frac{2}{3} \\ \frac{E\Theta}{\Theta H} = \frac{4}{6} = \frac{2}{3} \end{array} \right\} \Rightarrow \frac{\Gamma\Delta}{A\Delta} = \frac{E\Theta}{\Theta H} = \frac{2}{3}$$



2) θ
5. 219



$$Av \quad AB\Gamma\Delta \sim \Theta E Z H$$

va breθei to X.

Αφου $AB\Gamma\Delta \sim \Theta E Z H \Rightarrow$

$$\hat{A} = \hat{\Theta} \text{ και } \hat{\Gamma} = \hat{Z} \quad (1)$$

$$\hat{\Theta} = 130^\circ$$

$$\hat{\Gamma} = \hat{Z} \quad (1)$$

ου $AB\Gamma\Delta \Rightarrow$

$$\hat{A} + \hat{B} + \hat{\Gamma} + \hat{\Delta} = 360^\circ \Rightarrow$$

$$130^\circ + 90^\circ + \hat{\Gamma} + 90^\circ = 360^\circ$$

$$310^\circ + \hat{\Gamma} = 360^\circ$$

$$\hat{\Gamma} = 360^\circ - 310^\circ \Rightarrow$$

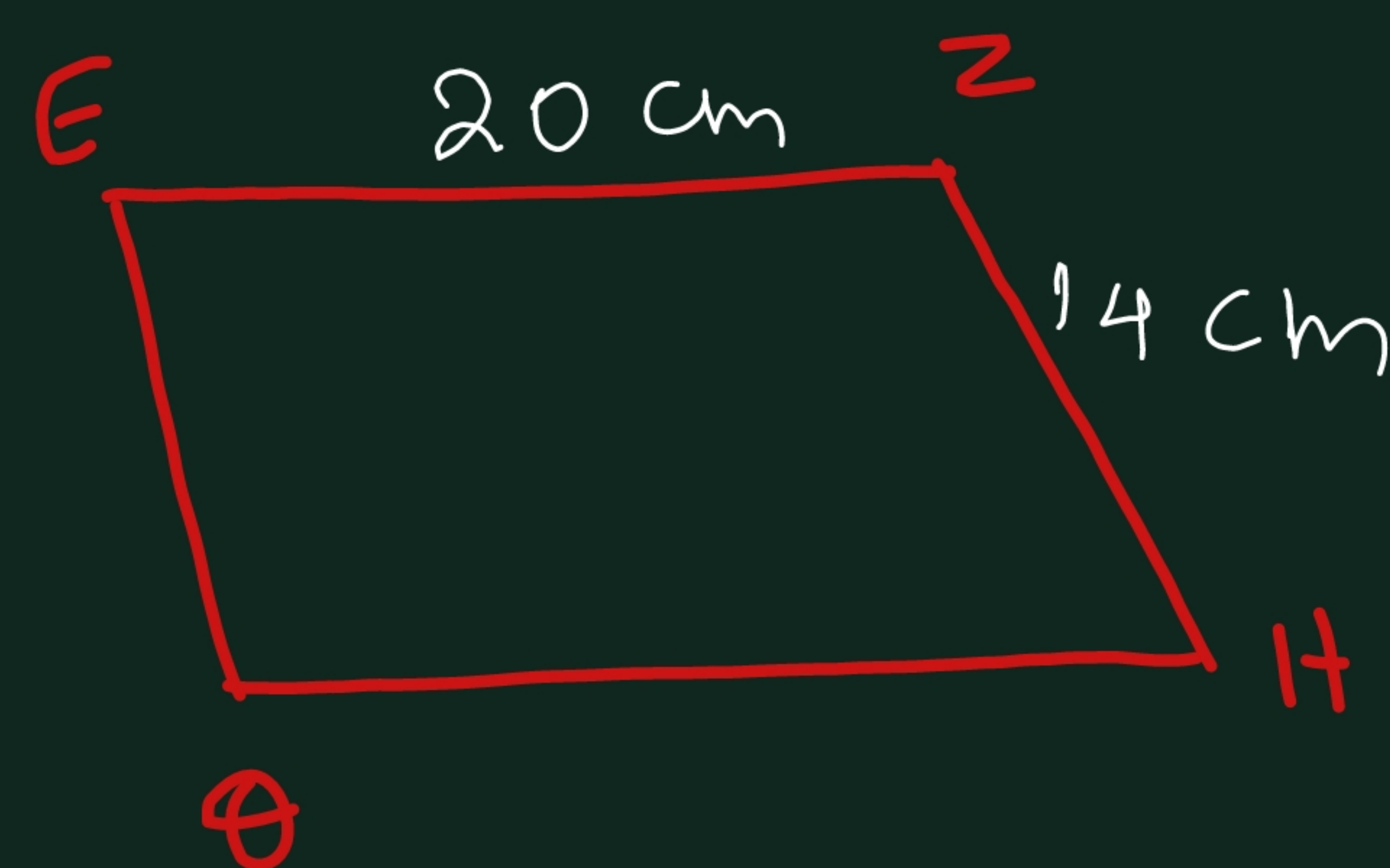
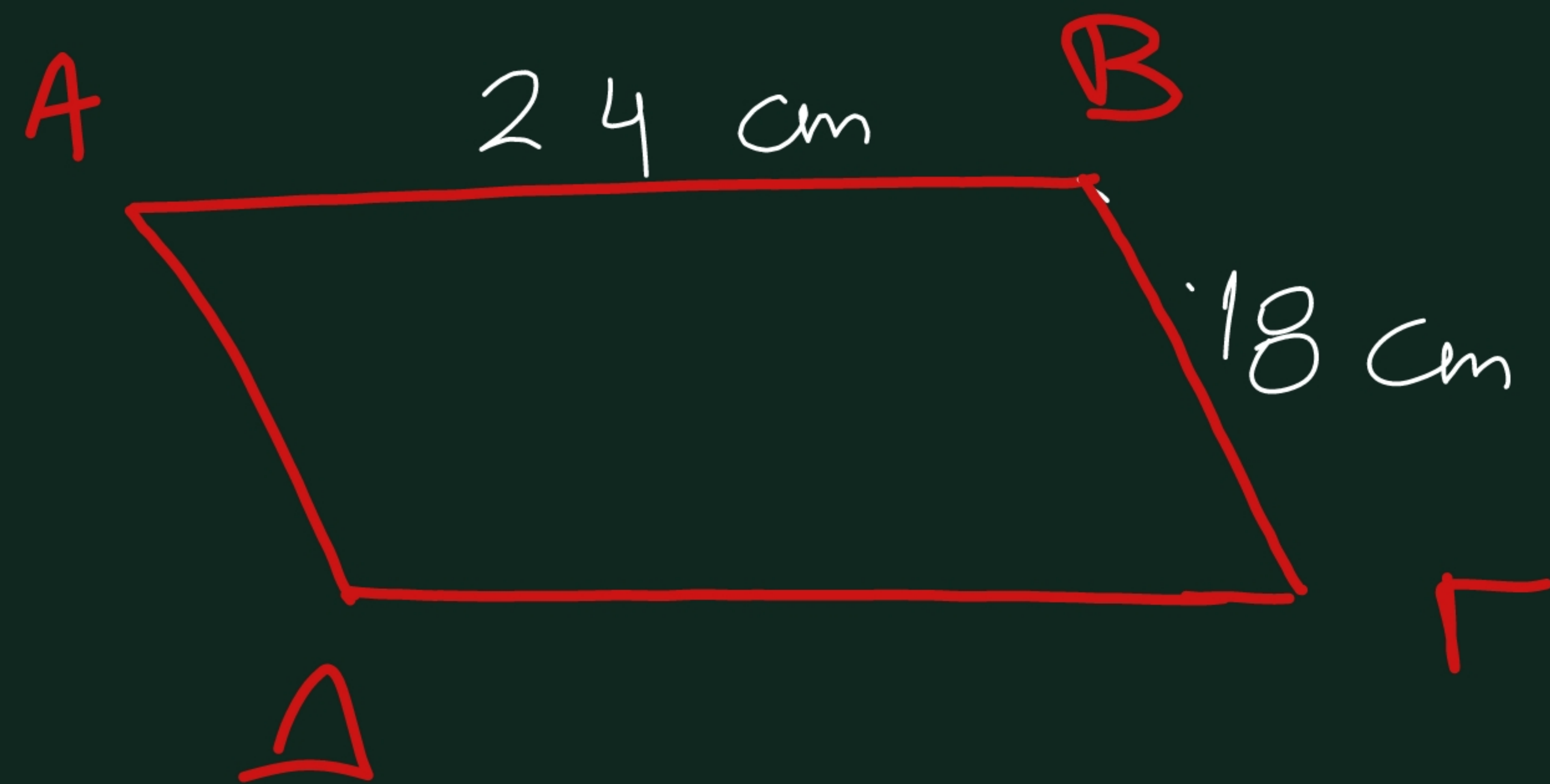
$$\hat{\Gamma} = 50^\circ$$

Αρα (1) $\Rightarrow$

$$\hat{Z} = 50^\circ \Rightarrow$$

$$x = 50^\circ$$

3
σ. 219)



Είνα ὀμοία;

$$\text{Ενω } \frac{AB}{E\Gamma} = \frac{24 : 4}{20 : 4} = \frac{6}{5}$$

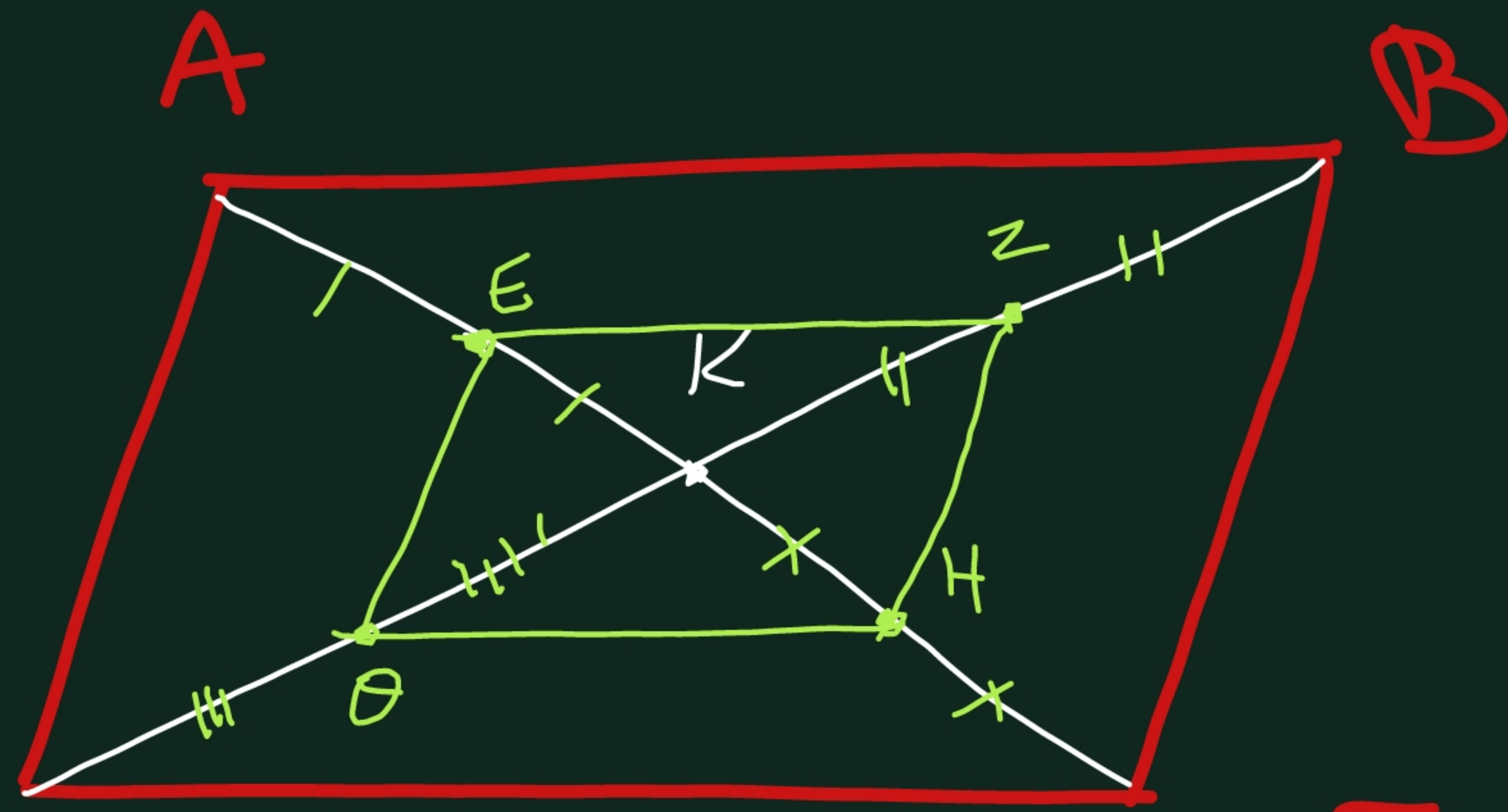
$$\text{Κ' } \frac{BC}{\Gamma\Delta} = \frac{18 : 2}{14 : 2} = \frac{9}{7}$$

$$\text{Άρα } \frac{AB}{E\Gamma} \neq \frac{BC}{\Gamma\Delta}$$

Άρα δεν είναι
ὀμοία

4)

5.219



γ $AB\Gamma\Delta$ $\hat{A}$ $\hat{B}$ $\hat{C}$ $\hat{D}$ $\hat{E}$ $\hat{Z}$ $\hat{H}$ $\hat{\Theta}$ $\hat{K}$
 $AB\Gamma\Delta$ $\hat{A}$ $\hat{B}$ $\hat{C}$ $\hat{D}$ $\hat{E}$ $\hat{Z}$ $\hat{H}$ $\hat{\Theta}$ $\hat{K}$
 $AB\Gamma\Delta$ $\hat{A}$ $\hat{B}$ $\hat{C}$ $\hat{D}$ $\hat{E}$ $\hat{Z}$ $\hat{H}$ $\hat{\Theta}$ $\hat{K}$
 $AB\Gamma\Delta$ $\hat{A}$ $\hat{B}$ $\hat{C}$ $\hat{D}$ $\hat{E}$ $\hat{Z}$ $\hat{H}$ $\hat{\Theta}$ $\hat{K}$
 $AB\Gamma\Delta$ $\hat{A}$ $\hat{B}$ $\hat{C}$ $\hat{D}$ $\hat{E}$ $\hat{Z}$ $\hat{H}$ $\hat{\Theta}$ $\hat{K}$
 $AB\Gamma\Delta$ $\hat{A}$ $\hat{B}$ $\hat{C}$ $\hat{D}$ $\hat{E}$ $\hat{Z}$ $\hat{H}$ $\hat{\Theta}$ $\hat{K}$

Σ NAO $EZHO \sim AB\Gamma\Delta$

Σ TO $A\hat{K}\Delta$:

E $\mu\epsilon\sigma\sigma$ AK
 Θ $\mu\epsilon\sigma\sigma$ ΔK

$E\Theta // A\Delta$ $\kappa\alpha\iota$

$$E\Theta = \frac{A\Delta}{2} \quad (1)$$

Σ TO $A\hat{K}B$:

$$\left. \begin{array}{l} Z \mu\epsilon\sigma\sigma KB \\ E \mu\epsilon\sigma\sigma AK \end{array} \right\} \Rightarrow \boxed{EZ = \frac{AB}{2}} \quad (2)$$

ομοίως $\kappa\alpha\iota$ $\sigma\omega\varsigma$ $B\hat{K}\Gamma$ $\kappa\alpha\iota$ $\Gamma\hat{K}\Delta$

$$ZH = \frac{B\Gamma}{2} \quad (3)$$

$$\Theta H = \frac{\Delta\Gamma}{2} \quad (4)$$

Άρα $(1), (2), (3), (4) \Rightarrow$

$$\frac{E\Theta}{A\Delta} = \frac{EZ}{AB} = \frac{ZH}{B\Gamma} = \frac{\Theta H}{\Delta\Gamma} = \frac{1}{2} \Rightarrow$$

$$EZHO \sim AB\Gamma\Delta$$

$$\mu\epsilon \lambda = 1/2$$

