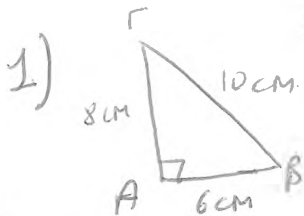
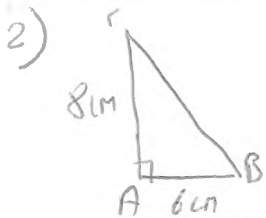


# Ενότητα 4 - Άσκησης

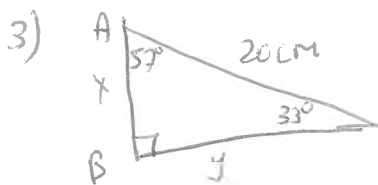


$$A\Gamma = 8 \text{ cm } (\pi \cdot T_p) \Rightarrow \eta_{\Gamma B} = \frac{A\Gamma}{B\Gamma} = \frac{8}{10} = \frac{4}{5}, \epsilon_{\varphi B} = \frac{A\Gamma}{AB} = \frac{8}{6} = \frac{4}{3}$$

$$\sigma_{W\Gamma} = \eta_{\Gamma B} = \frac{4}{5}$$

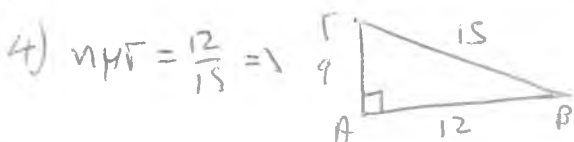


$$B\Gamma = 10 \text{ cm } (\pi \cdot T_p) \Rightarrow \eta_{\Gamma B} = \frac{8}{10} = \frac{4}{5}, \sigma_{WB} = \frac{6}{10} = \frac{3}{5}, \epsilon_{\varphi B} = \frac{8}{6} = \frac{4}{3}$$



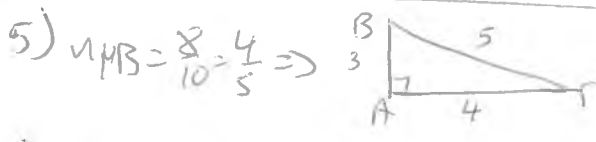
$$\eta_{\Gamma\Gamma} = \frac{x}{20} \Rightarrow x = 20 \eta_{\Gamma\Gamma} \Rightarrow x = 20 \cdot 0,545 \Rightarrow x = 10,9 \text{ cm}$$

$$\sigma_{W\Gamma} = \frac{y}{20} \Rightarrow y = 20 \sigma_{W\Gamma} \Rightarrow y = 20 \cdot 0,839 \Rightarrow y = 16,78 \text{ cm}$$



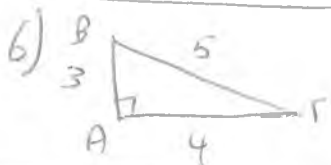
$$\text{Από } \pi \cdot \theta \Rightarrow A\Gamma = 9 \Rightarrow \eta_{\Gamma B} = \frac{9}{15} = \frac{3}{5}, \sigma_{WB} = \frac{12}{15} = \frac{4}{5}$$

$$\epsilon_{\varphi B} = \frac{9}{12} = \frac{3}{4}$$

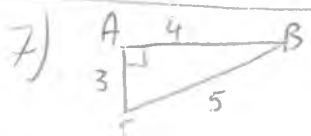


$$\eta_{\Gamma B} = \frac{3}{5} = \frac{4}{5} \Rightarrow \sigma_{WB} = \frac{3}{5}, \epsilon_{\varphi B} = \frac{4}{3}$$

$$B\Gamma = 3 \text{ cm } (\pi \cdot T_p)$$

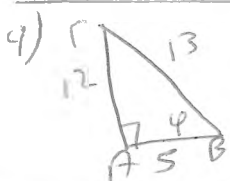


$$A\Gamma = 4 \text{ cm } (\pi \cdot T_p) \Rightarrow \eta_{\Gamma\Gamma} = \frac{3}{4} \text{ και } \sigma_{W\Gamma} = \frac{4}{5}$$

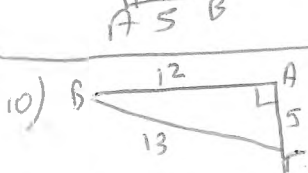


$$B\Gamma = 5 (\pi \cdot T_p) \Rightarrow \eta_{\Gamma B} = \frac{3}{5}, \sigma_{WB} = \frac{4}{5}, \epsilon_{\varphi B} = \frac{3}{4}$$

8)  $\epsilon_{\varphi W} = \frac{x}{10} \Rightarrow x = 10 \cdot \epsilon_{\varphi W} \Rightarrow x = 10 \cdot 0,466 \Rightarrow x = 4,66 \text{ m}$



$$\eta_{\Gamma\Gamma} = \frac{12}{13}, \sigma_{W\Gamma} = \frac{5}{13}, \epsilon_{\varphi\Gamma} = \frac{12}{5}$$



$$A\Gamma = 5 (\pi \cdot T_p) \Rightarrow \eta_{\Gamma B} = \frac{5}{13}, \sigma_{WB} = \frac{12}{13}, \epsilon_{\varphi\Gamma} = \frac{12}{5}, \sigma_{W\Gamma} = \frac{5}{13}$$

11)  $\epsilon_{\varphi 40} = \frac{v}{7} \Rightarrow v = 7 \cdot \epsilon_{\varphi 40} \Rightarrow v = 7 \cdot 0,84 \Rightarrow v = 5,88 \text{ m}$

