

### ΕΝΔΕΙΚΤΙΚΕΣ ΑΠΑΝΤΗΣΕΙΣ

$$\alpha) \sigma_{\varepsilon\pi} = \frac{F_{\mu}}{A} \Rightarrow F_{\mu} = \sigma_{\varepsilon\pi} \cdot A \Rightarrow F_{\mu} = 1000 \text{ daN/cm}^2 \cdot 10 \text{ mm}^2 \Rightarrow F_{\mu} = 1000 \text{ daN/cm}^2 \cdot 1 \text{ cm}^2 \Rightarrow F_{\mu} = 1000 \text{ daN}$$

$$\beta) \sigma_{\varepsilon\pi} = \frac{\sigma_{\theta\rho}}{\nu} \Rightarrow \sigma_{\theta\rho} = \sigma_{\varepsilon\pi} \cdot \nu \Rightarrow \sigma_{\theta\rho} = 1000 \text{ daN/cm}^2 \cdot 2 \Rightarrow \sigma_{\theta\rho} = 2000 \text{ daN/cm}^2$$