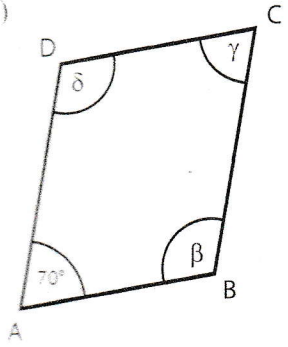
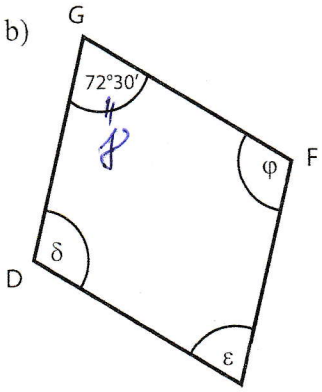
29/ **2.** V rovnoběžnících doplň velikosti vnitřních úhlů.

PS - ŘEŠENÍ

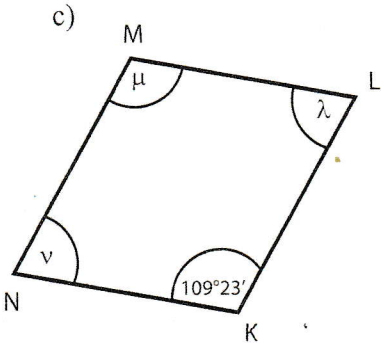
a)



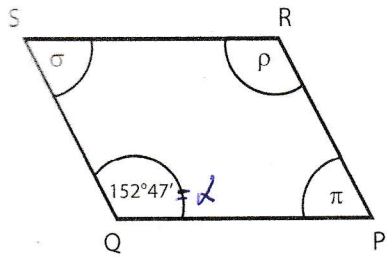
b)



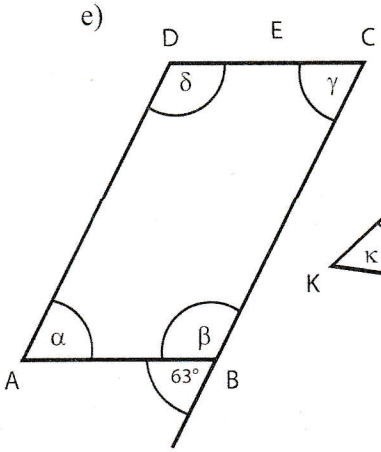
c)



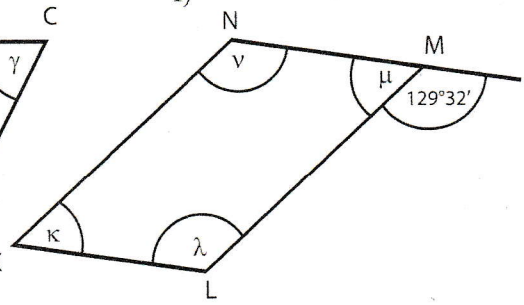
d)



e)



f)



a) $\alpha \cong \gamma = 70°$

$\beta \cong \delta = ?$

$\alpha + \beta + \gamma + \delta = 360°$

$2 \cdot \alpha + 2 \cdot \gamma = 360°$

$2 \cdot \gamma = 360° - 2 \cdot 70°$

$2 \cdot \gamma = 360° - 140°$

$2\gamma = 220°$

$\gamma = 220° : 2$

$\gamma = 110°$

NEBO

$\alpha + \beta = 180°$

$\beta = 180° - 70°$

$\beta = 110°$

$\beta \cong \delta = 110°$

$\alpha \cong \gamma = 70°$

b) $\gamma \cong \varepsilon = 72°30'$

$\alpha \cong \varphi$

$\alpha + \varepsilon + \varphi + \gamma = 360°$

$2 \cdot \alpha + 2 \cdot \gamma = 360°$

$2 \cdot \alpha = 360° - 2 \cdot 72°30'$

$2 \cdot \alpha = 360° - 145°$

$2 \cdot \alpha = 215°$

$\alpha = 215° : 2$

$\alpha = 107°30'$

NEBO

$\gamma + \varphi = 180°$

$\varphi = 180° - 72°30'$

$\varphi = 107°30'$

$\alpha \cong \varphi = 107°30'$

$\varepsilon \cong \gamma = 72°30'$