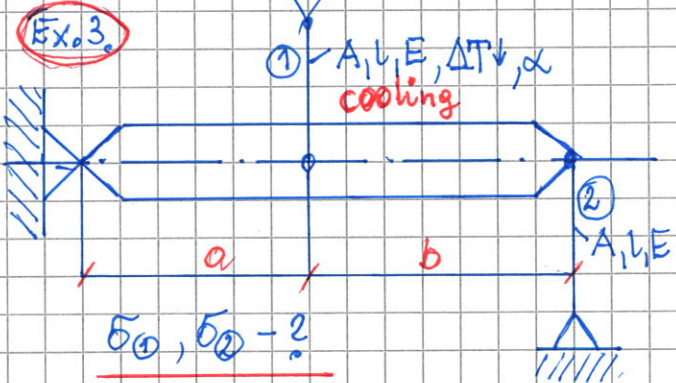


**A Exo 2.**

$\sigma_x = 500, \sigma_y = 100, \tau_{xy} = 200$

$\sigma_1, \sigma_2, \alpha_0 = ?$

graph + analytic.  
(Mohr's circle)

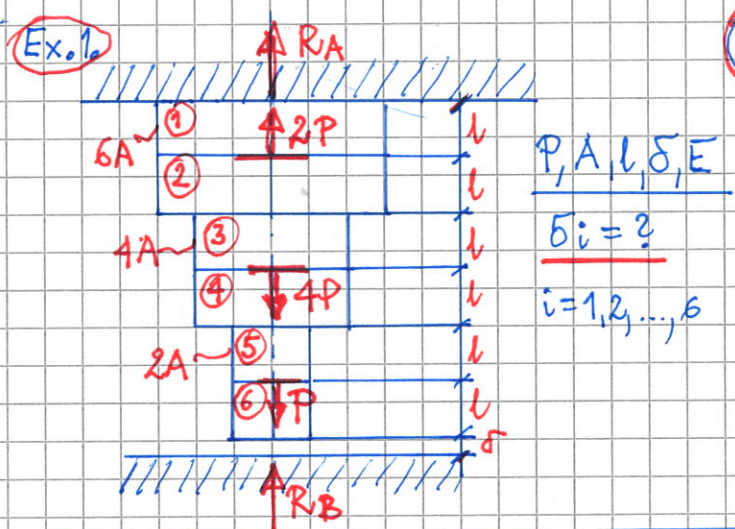


**Exo 4.**

$E_x = 0, \nu$   
planar stress state

for which value of  $\frac{\sigma_y}{\sigma_x} = ?$

$E_x = 0$

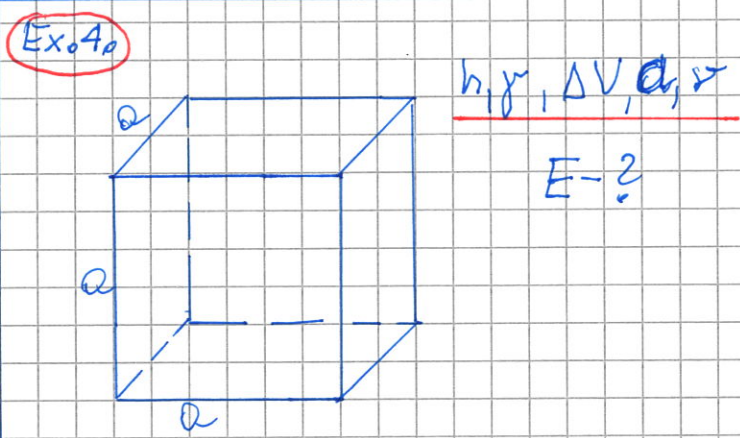
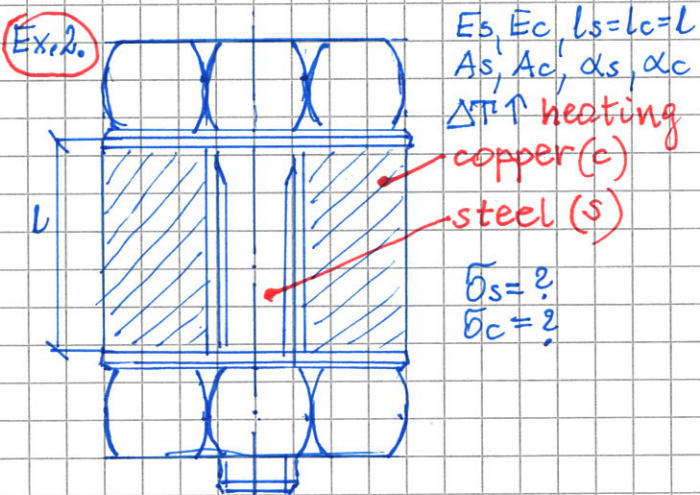


**B Exo 3.**

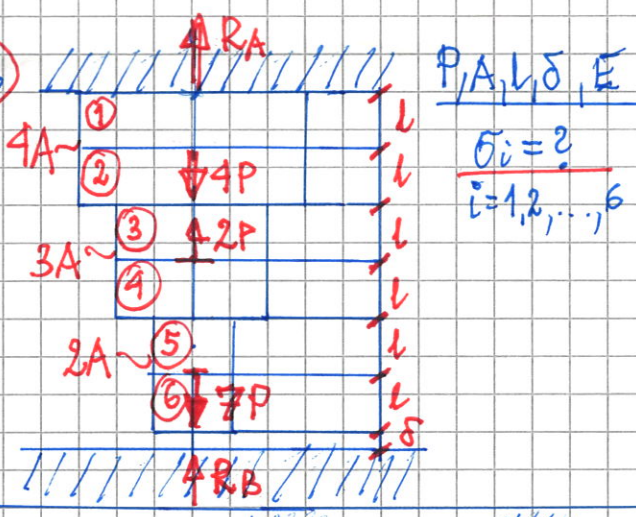
$\sigma_1 = 200, \sigma_2 = -400, \alpha = 15^\circ$

$\sigma_x, \sigma_y, \tau_{xy} = ?$

graph. + analytic  
(Mohr's circle)



Ex.1.



$P, A, L, \delta, E$   
 $\sigma_i = ?$   
 $i = 1, 2, \dots, 6$

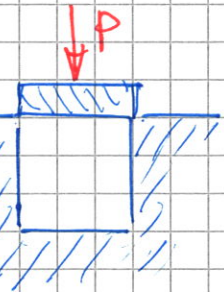
A

Ex.3.

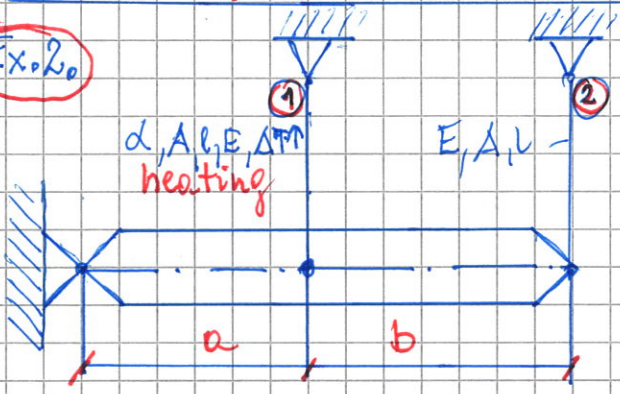
$\sigma_x = 300, \sigma_y = -100$   
 $\tau_{xy} = 150$

$\sigma_1, \sigma_2, \alpha_0 = ?$

graph. + analytic.  
 (Mohr's circle)

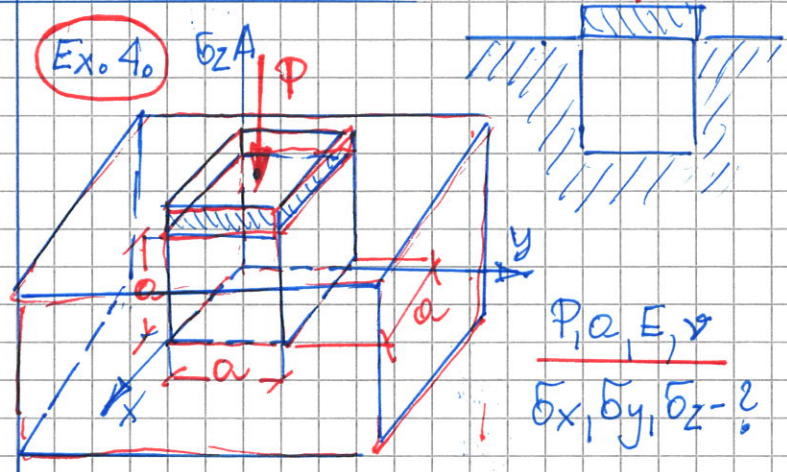


Ex.2.



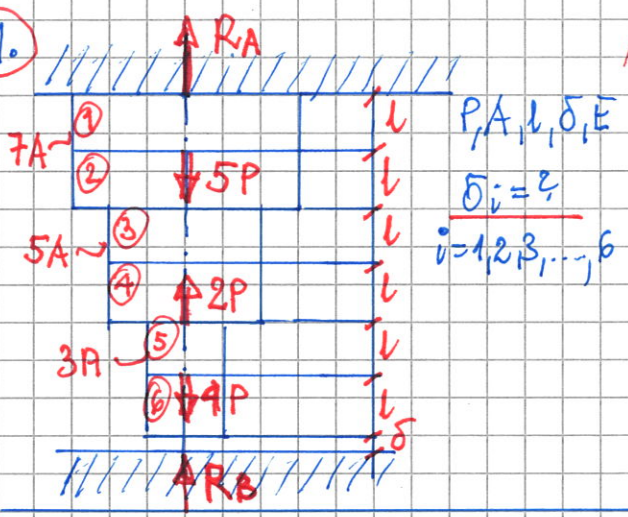
$\sigma_1, \sigma_2 = ?$

Ex.4.



$P, a, E, \nu$   
 $\sigma_x, \sigma_y, \sigma_z = ?$

Ex.1.



$P, A, L, \delta, E$   
 $\sigma_i = ?$   
 $i = 1, 2, 3, \dots, 6$

B

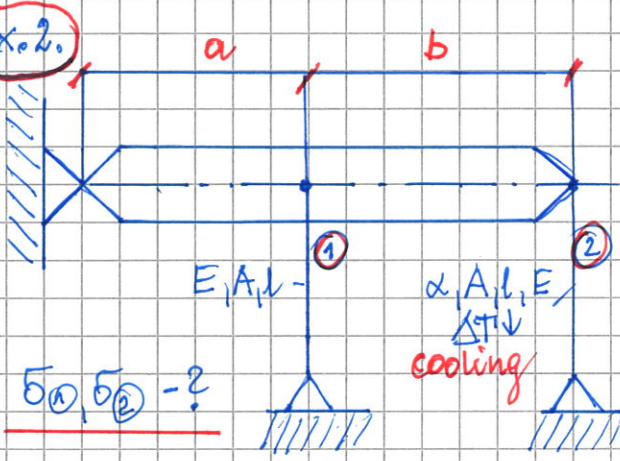
$\sigma_1 = 200, \sigma_2 = -400, \alpha = 15^\circ$

$\sigma_x, \sigma_y, \tau_{xy} = ?$

graph. + analytic.

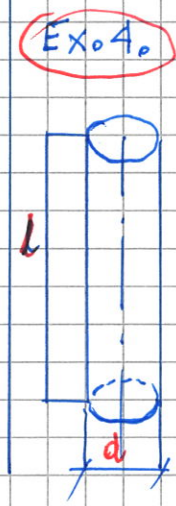
(Mohr's circle)

Ex.2.



$\sigma_1, \sigma_2 = ?$

Ex.4.



$h, \nu, L, d, \delta, E$

$\Delta V = ?$