7. 2010 91. 6+12 02 646 $9v \cdot \frac{2}{3} = 0_2 \cdot \frac{1}{2} / \frac{2}{3}$ 02=3-2=12

10.
$$u(t) = 100 \min \{500 \in I\}$$
 v

$$i(t) = 2, 5 \min \{500 \in I\}$$
 A
$$R = 20 - 2$$

11 1 2 - ---

$$U_n = \frac{Q}{C_1} = 32$$

13=11+12

P4 = U2 + R . R1

$$1_2 = \frac{2U_2 - U_1}{2R_2 + R_1}$$

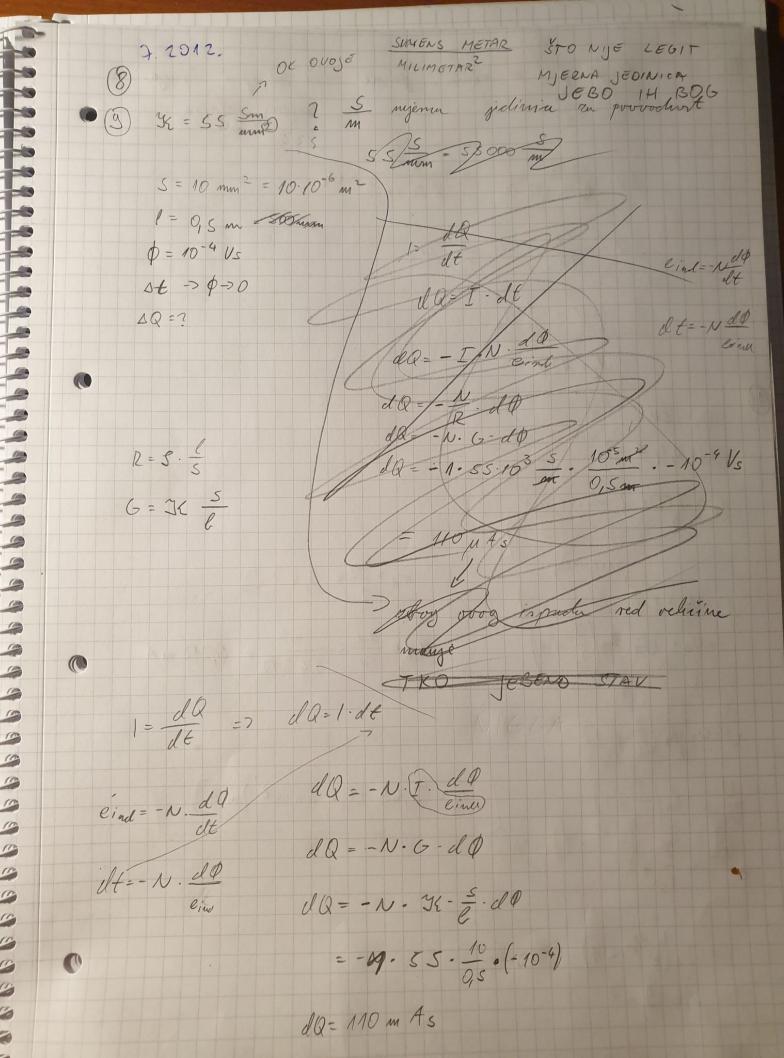
7.2011.

9)
$$i(\xi) = I_{m} \sin(\omega \xi + \lambda_{i}) = S\sqrt{2} \sin(100\pi \xi + \frac{\pi}{4})$$

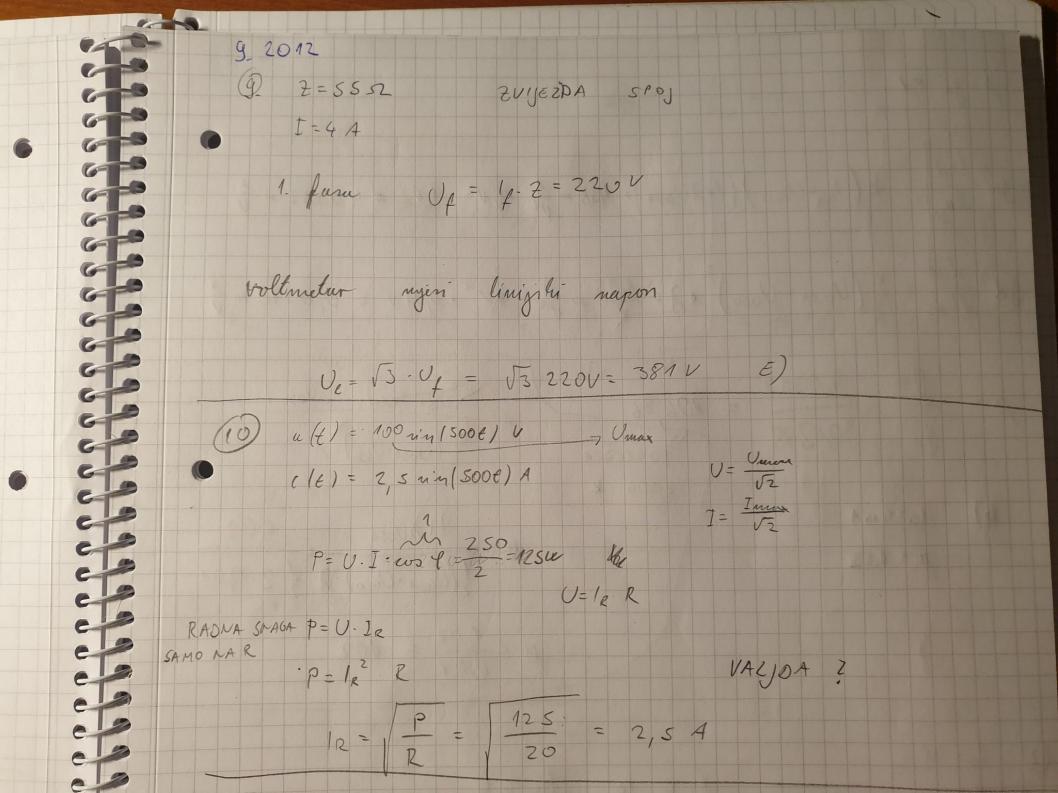
$$= -SA$$

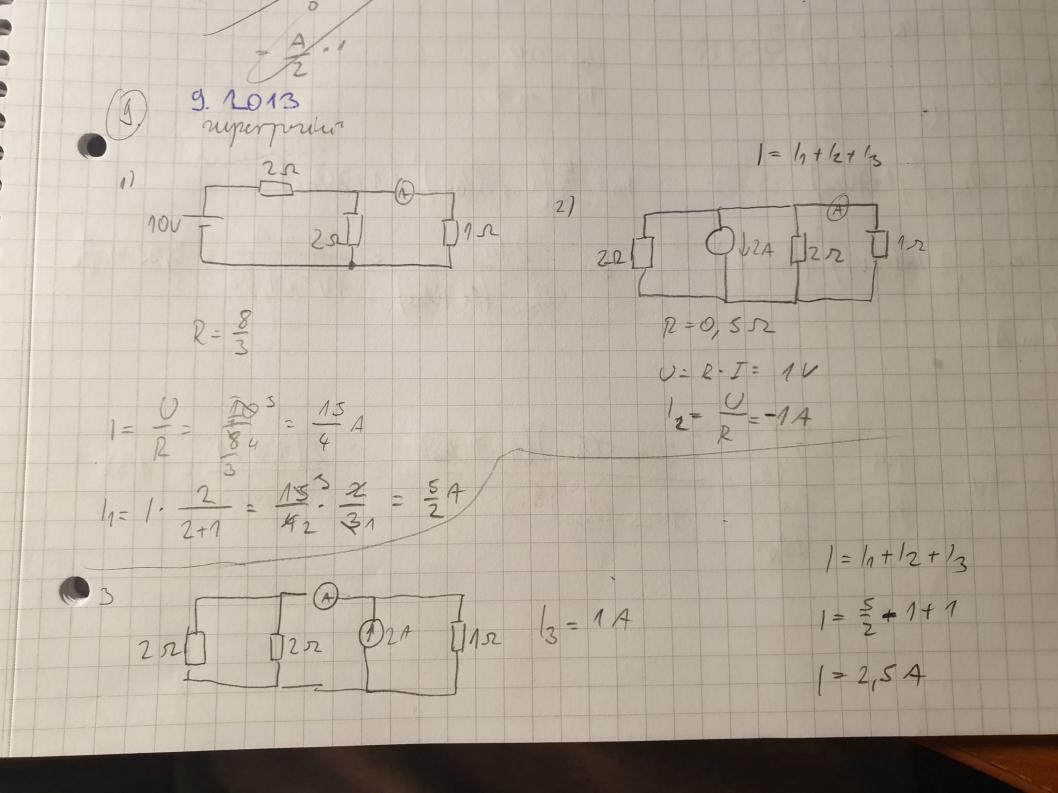
$$I = S(4S)$$

$$Q = 2\pi f = 100\pi$$



Strya je 0 - nemu grane - 2 odvojemu hruga sa 10. rerijom ot pora Pa = PB 9V. 62 +122 = 652 , 02 9V. 12 = 5 Uz 8 6 1 = 1 12 U2 = 12 V (1) D12A=1





U=2204 1 =508Hz 2=2\$2 X_= jWL = 19,79 j L=63mH C=122 MF x = 1 = - 26,09j 25+19,790-26,090= 25056,3 f = arely -6,3 = 0,246 FAKTOR SWALGO > cos P = 0, 96 9 = 0,97 KAPACITIVNO 11- 7-0,005V-1 V == -1

$$U_5 = U_4$$
 $U_4 = \frac{U_4}{R_4} = \frac{12V}{452} = 3A$

$$1_2 = \frac{0_2}{R_2} - \frac{22}{11 \cdot R} = 2A$$