$$EE49 HW02$$
 $i = \sqrt{R} = \frac{6.9}{2.7} = 2.56 A = i$

$$6 = \frac{1}{R} = \frac{1}{2.32} = [0.335] = 6$$

$$\sqrt{V_1 = -\frac{4}{3}V}$$

$$V_2 = \frac{2}{3}V$$

$$I = -\frac{2V}{6R} = -\frac{1}{3}A$$

$$-2V = 42(-\frac{1}{3}A) + 22(-\frac{1}{3}A)$$

5.

= 82kA+ 46.5kA= 128.5kA

59 12 = 78 mA → 12 = 22.47 mA

12 = 55.53 mA

$$P_{R_{1}} = 1_{R_{1}} \cdot V_{R_{1}}$$

$$= I_{R_{1}}^{2} \cdot R_{1}$$

$$= 55.53 \text{ mA}^{2} \cdot 17 \text{ k.} \Omega$$

$$= \frac{1}{12} \cdot \frac{1}{12}$$

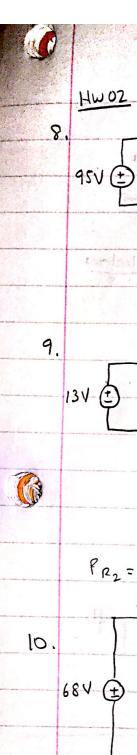
= 52,42 W

$$i_1 + i_2 + i_3 = 16 \text{ mA}$$

 $i_1 R_3 = i_2 R_2 = i_3 R_3$

$$i_4 = \frac{74}{63} \cdot i_2$$

$$\left(\frac{74}{63} + 1 + \frac{74}{82}\right)i_2 = 16mA$$



$$| \frac{1}{\sqrt{2}} | \frac$$

