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1. 49Ω
 2. a) $i_1 = 15 \text{ mA}$
b) $v_1 = 8 \text{ V}$
 3. a) $i_1 = 1 \text{ A}, i_2 = 2 \text{ A}, v_0 = 6 \text{ V}$
b) $p_{12\Omega} = 12 \text{ W}, p_{1\Omega} = 4 \text{ W}, p_{3\Omega} = 12 \text{ W}, p_{2\Omega} = 8 \text{ W}, p_{12\text{V}} = -36 \text{ W}$
 4. $i_1 = 10 \text{ mA}, i_2 = 6 \text{ mA}, v_0 = 60 \text{ mV}$
 5. $i_x = 2 \text{ mA}, v_1 = -30 \text{ V}, p = -300 \text{ mW}$