

Aluno: _____ RA: _____

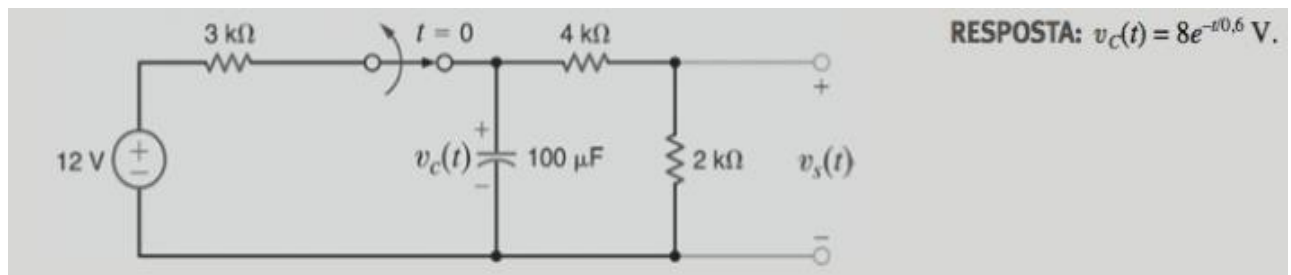
Lista de Exercícios – Circuitos Elétricos II- Profº. Cristiano Malheiro

Entrega: 03/06/2016

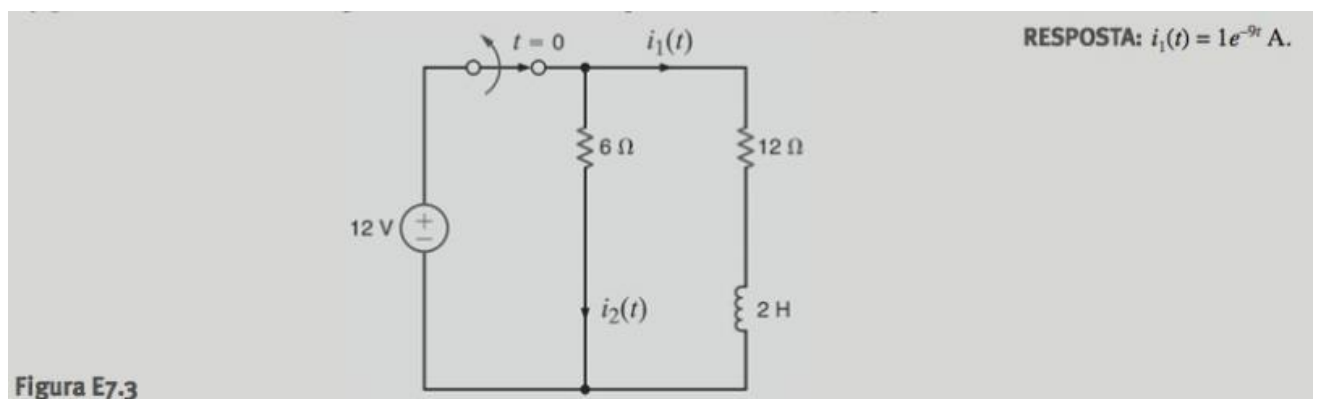
Individual, manuscrita e utilizar folha padrão!!!

Resolva: Utilizando o método dos 6 passos resolver os seguintes circuitos RC e RL:

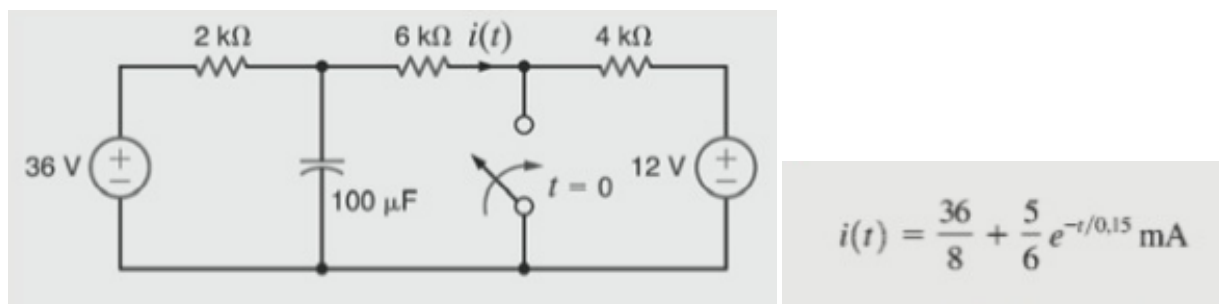
1. Livro Pág. 251. Determine $v_c(t)$ para $t > 0$.



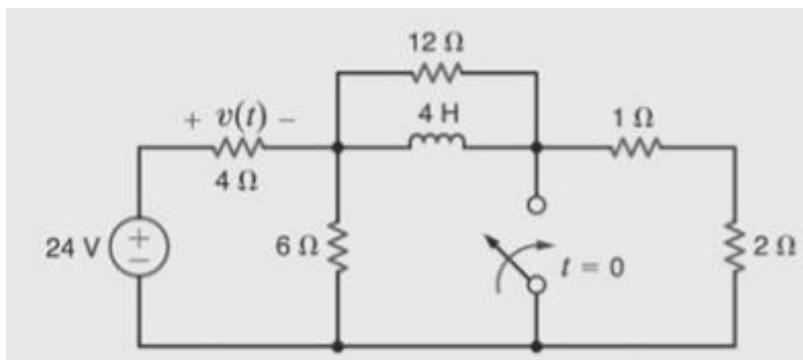
2. Livro Pág. 252. Determine $i_1(t)$ para $t > 0$.



3. Livro Pág. 254. Determine $i_1(t)$ para $t > 0$.

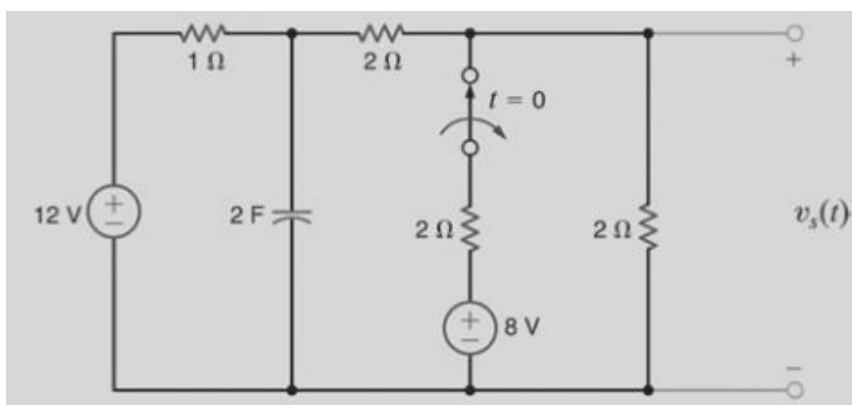


4. Livro Pág. 256. Determine $v(t)$ para $t > 0$.



$$v(t) = 24 - \frac{20}{3} e^{-t/2} \text{ V}$$

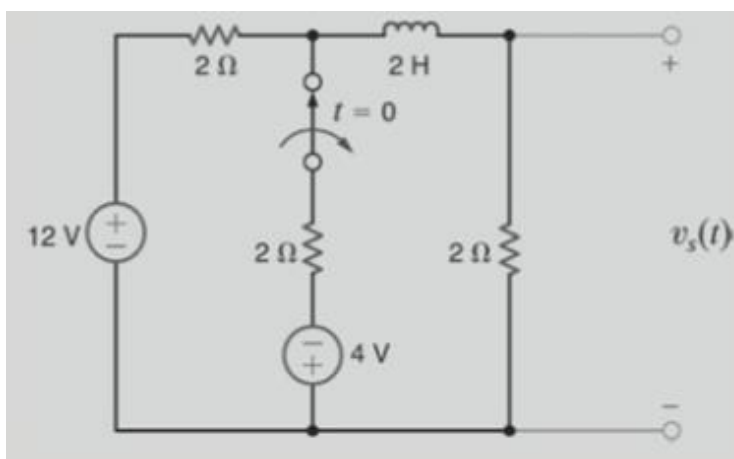
5. Livro Pág. 257. Determine $v_s(t)$ para $t > 0$.



RESPOSTA:

$$v_s(t) = \frac{24}{5} + \frac{1}{5} e^{-(5/8)t} \text{ V.}$$

6. Livro Pág. 257. Determine $v_s(t)$ para $t > 0$.



RESPOSTA:

$$v_s(t) = 6 - \frac{10}{3} e^{-2t} \text{ V.}$$