Class 12 (03.06.2025)

1. The circuit shown in the figure has been in a steady-state. The switch was opened at **t = 0**. Find and plot **i(t)**, **u_R(t)**, **u_L(t)**. Use the Laplace transform.
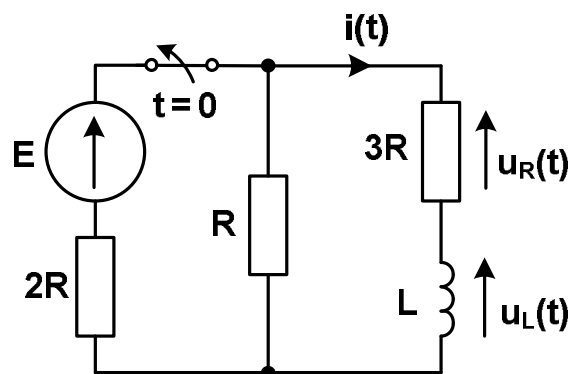
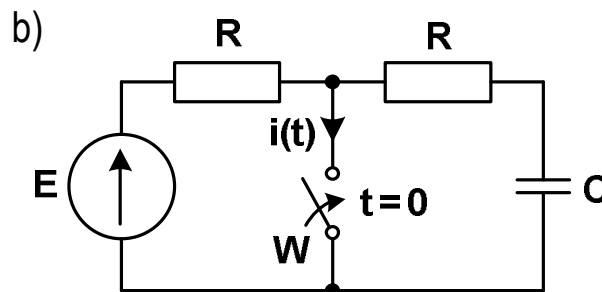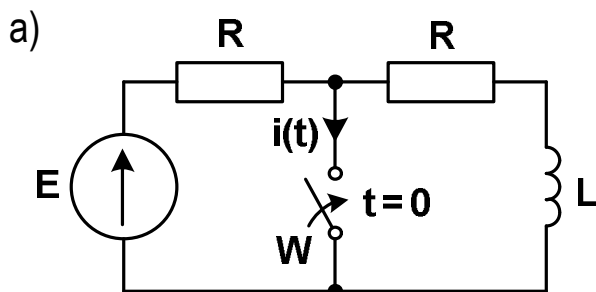2. The circuit shown in the figure has been in a steady-state. The switch was opened at **t = 0**. Find and plot **i(t)**, **u_R(t)**, **u_C(t)**. Use the Laplace transform.
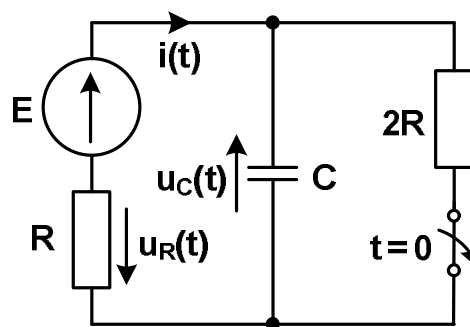
3. The circuit shown in the figure has been in a steady-state. The switch was closed at **t = 0**. Calculate and plot **i(t)**. Use the Laplace transform.

a)

b)