
ECE 205 — Signals and Systems

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Due Date: August 3, 2020, 9:00 AM
Assignment: 3

Problem 1 Given the following second order circuit:

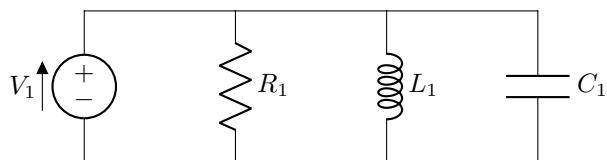
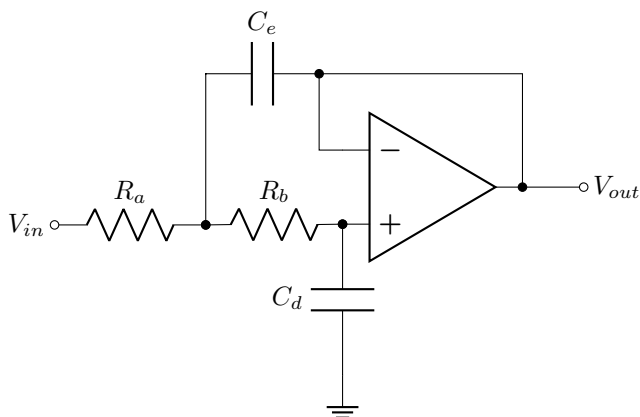


Figure 1



The following questions refer to Figure 1 above:

- (a) Find V_1 in terms of R_1 , L_1 , and C_1 .

$$V_{p1} = \left(\frac{R_1}{R_1 + R_2} \right) V_1 \quad (1)$$