

RLC Circuits.

Directions: Do one step, and then pass it along to the next student. You do not have to solve the entire problem. If you see a mistake, correct it. If you are not sure, discuss. I will check back.

Solve the problem below.

1. An RLC circuit has an inductance of 10 H, a resistor of 800Ω , and a capacitance of 10^{-5} F. A 9 V battery is attached to the system.
 - a. Set up the equation of the system.
 - b. Solve the system.
 - c. Describe the damping of the system.
 - d. Graph the system.
 - e. Describe the long-term behavior of the system.

