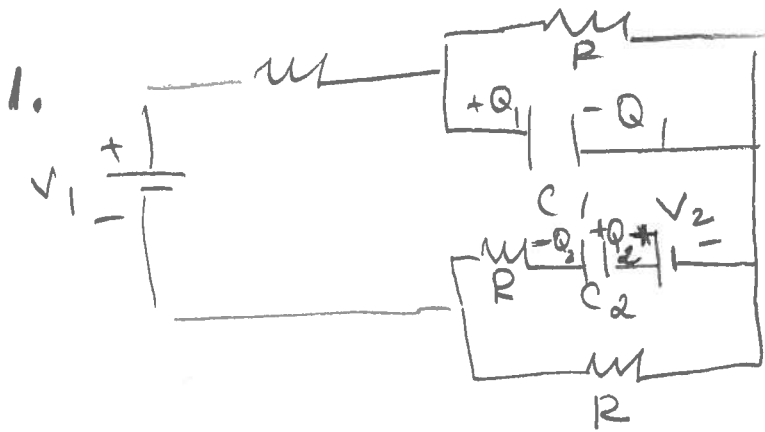


Answers Exam 2 2017



$$i = \frac{V_1}{3R}; \quad Q_1 = \frac{C_1 V_1}{3}; \quad Q_2 = C_2 \left(V_2 + \frac{V_1}{3} \right)$$

2.

$$i = \frac{V_1 - V_2}{R_1 + R_3 + R_4}$$

The diagram shows a voltage source V_1 with a current i flowing through it.

3.

$$v(2A) - v(0) = \frac{Q}{104\pi A \epsilon_0}$$

4.

$$i = \frac{V 2\pi W}{S_1 \ln \frac{b}{a} + S_2 \ln \frac{4}{b}}$$