



ACT: RC Challenge

$$\mathcal{E} = 24 \text{ Volts}$$

$$R = 2 \Omega$$

$$C = 15 \text{ mF}$$

After being closed for a long time, the switch is opened. What is the charge Q on the capacitor 0.06 seconds after the switch is opened?

1) $0.368 q_0$

2) $0.632 q_0$

3) $0.135 q_0$

4) $0.865 q_0$

