

61. (a) Now $C_{\text{eq}} = C_1 + C_2 = 6.00 \mu\text{F} + 4.00 \mu\text{F} = 10.0 \mu\text{F}$.
(b) $q_1 = C_1 V = (6.00 \mu\text{F})(200 \text{ V}) = 1.20 \times 10^{-3} \text{ C}$, $q_2 = C_2 V = (4.00 \mu\text{F})(200 \text{ V}) = 8.00 \times 10^{-4} \text{ C}$.
(c) $V_1 = V_2 = 200 \text{ V}$.