

例題 1 解答例

$$(1) \quad V = k \frac{Q}{r} = 9.0 \times 10^9 \cdot \frac{+4.0 \times 10^{-8}}{0.20} = 1.8 \times 10^3 \text{ V}$$

$$(2) \quad U = qV = 2.0 \times 10^{-9} \cdot 1.8 \times 10^3 = 3.6 \times 10^{-6} \text{ J}$$

$$(3) \quad U = q'V = -2.0 \times 10^{-9} \cdot 1.8 \times 10^3 = -3.6 \times 10^{-6} \text{ J}$$