Constants' Sheet.

$$
\begin{aligned}
1 \text{ in} &= 2.54 \text{ cm}, \\
1 \text{ gallon} &= 3.786 \text{ liters}, \\
1 \text{ gallon} &= 4 \text{ quart}, \\
g &= +9.8 \text{ m/s}^2, \\
1 \text{ nautical mile} &= 1852 \text{ m}, \\
\text{Electrical Conductivity of Copper} = \sigma_{\text{Cu}} &= 5.814 \times 10^{+7} \text{ S/m}, \\
\text{Density of Copper} = \rho_{\text{Cu}} &= 8.9 \text{ gcm}^{-3}, \\
\epsilon_0 &= 8.85 \times 10^{-12} \text{ F/m}, \\
k &= 9.0 \times 10^{9} \text{ Nm}^2/\text{kg}^2.
\end{aligned}
$$

CONSTANTS:

Coulomb's constant:	**$k = 1/(4\pi\varepsilon_0) = 8.99 \times 10^9$ N•m²/C²**
Permittivity:	**$\varepsilon_0 = 8.85 \times 10^{-12}$ C² / N•m²**
Permeability:	**$\mu_0 = 4\pi \times 10^{-7}$ T•m/A**
Electron charge:	**$e = -1.602 \times 10^{-19}$ C**
Proton charge:	**$p = 1.602 \times 10^{-19}$ C**
Mass of an electron:	**$m_e = 9.1094 \times 10^{-31}$ kg**
Mass of a proton:	**$m_p = 1.67 \times 10^{-27}$ kg**
Planck's constant:	**$h = 6.63 \times 10^{-34}$ Js**
Gravitational acceleration at Earth's surface:	**$g = 9.8$ m/s²**
Speed of light in vacuum:	**$c = 3.00 \times 10^8$ m/s**
eV	**$1 \text{ eV} = 1.6 \times 10^{-19}$ J**
hc	**$hc = 1240$ eV•nm**