The following equations will be given for Test 2 on the cover sheet. DO NOT BRING THIS TO THE TEST; it will be provided for you.

There MAY be more equations which I'll add if I think you need them, but the following are a minimum set:

Use 9.00×10 for
$$\frac{1}{4\pi\epsilon_0}$$
 $W_{a\to b} = U_a - U_b$ $K = \frac{1}{2}mv^2$ $a = v^2$

MASS OF PROTON = $\frac{1}{1.67}$ $W_{a\to b} = \int_a^b F \cdot dk$ $E_0 = 8.854 \times 10^{-12}$

MASS OF ELECTRON = 9.11×10^{-31} Ky

CHARGE OF ELECTRON = -2
 1.67×10^{-12}
 $1.67 \times$