

$$F = k * \frac{q' * q}{r^2} \quad (1)$$

$$F = 8.99 * 10^9 * \frac{N * m^2}{C^2} * \frac{(1.60 * 10^{-19}C)^2}{(2.82 * 10^{-10}m)^2} \quad (2)$$

$$F = 2.894019415522 * 10^{-9}N = 2.894 * 10^{-9}N \quad (3)$$