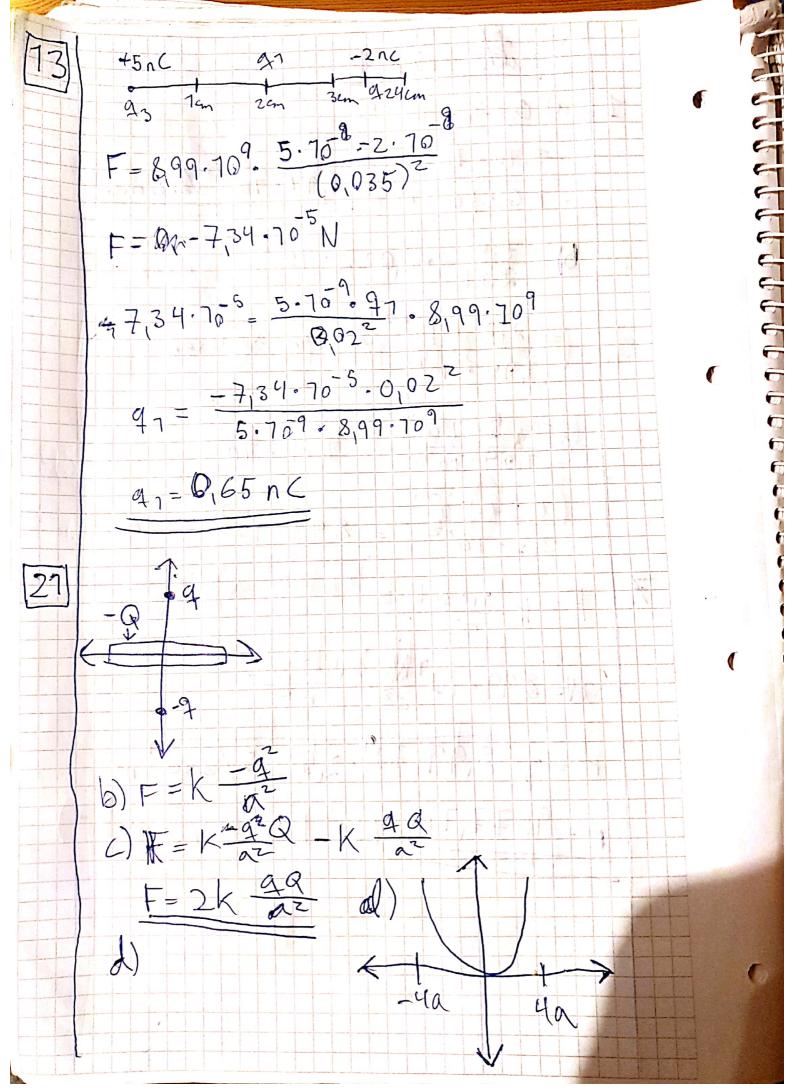
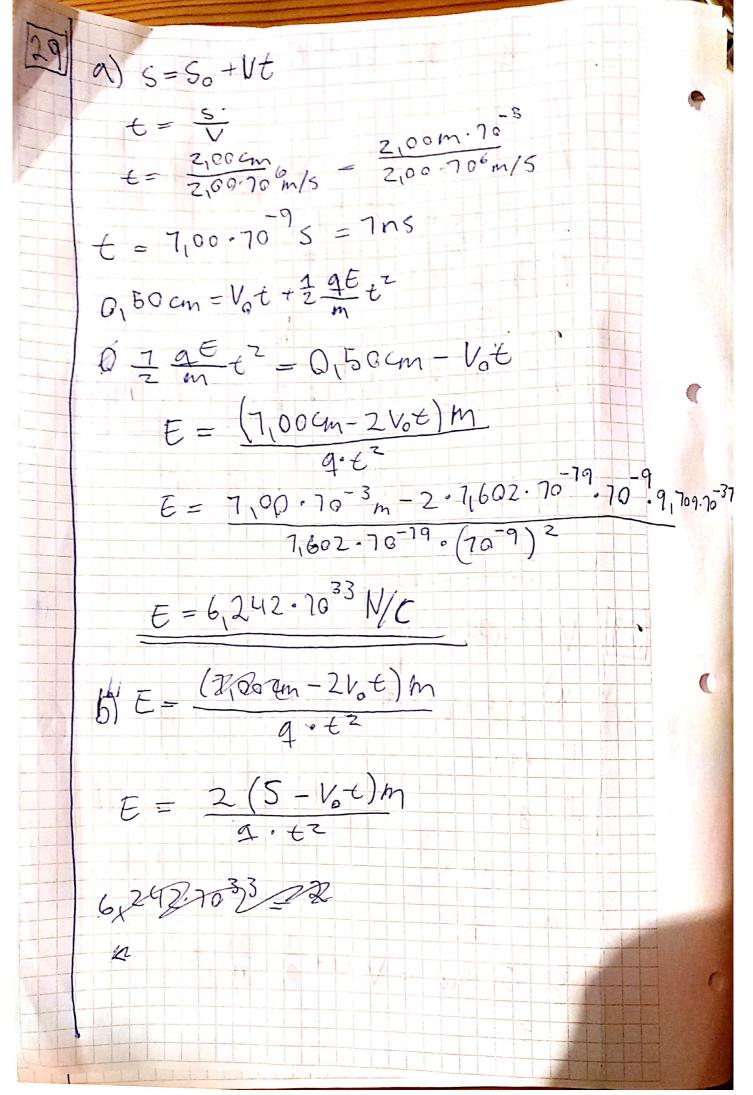
Fysikk Oving I a) $e = -7,6-70^{-79}$ C -3,70.702 = 7,94.70 elektroner b) 7,9 .6,022·70²³ = 213 · 70² aborger atomer 494.462 $\frac{7}{2}, \frac{3}{10}, \frac{2}{10}$ $\frac{7}{494.70} = \frac{7}{10}$ $\frac{7}{2}, \frac{9}{10} = \frac{8}{10}$ $\frac{7}{2}, \frac{7}{2} = \frac{8}{10}$ $F = K \frac{|a_1 - a_2|}{r^2}$ $600N = 8.99 \cdot 10^9 \frac{|a_1 - a_2|}{c^2} \cdot \frac{|a_1 - a_2|}{r^2}$ r= -/8,99.709.2,5.2,5/600 m r=9677,7m



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$\overline{[23]}(a) q = 7,602.70^{-79}C$
$F = 9E$ $F = 1,602.70^{-19}.2,950.70^{3}N$
F=4,726.7076N
F=ma E b)
$\alpha = \frac{41726 \cdot 10}{1673 \cdot 10^{27}} = 2.825 \cdot 70 \text{ m/s}^{2}$
$\frac{7}{2} = \frac{5085 \cdot 10 \text{m/s}^{2}}{100 \text{m/s}^{2}}$
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$
F=ma $F=qE$
qE=ma
$a = \frac{aE}{m}$ $0.59cm = V_0 + \frac{7}{2} = \frac{aE}{m} + \frac{2}{2}$



[29] b) E= 2m(5-Vot) a + 2
$\frac{S - V_0 + \frac{E}{2m}}{q \cdot \epsilon^2} = \frac{E}{2m}$
$5-V_0t = \underbrace{24t^2}_{t} 2m$ $\underbrace{E \cdot 4 \cdot t^2}_{t} + V_0t$
$S = \frac{1}{2} m$ $\frac{1}{2} \frac{33}{1602 \cdot 70} \cdot (70^{-9})^{2}$
$S = \frac{61272}{2 \cdot 71673 \cdot 70^{-27}}$ $S = 2.989 \cdot 70^{23} \cdot 70^{27}$ $Z_{00} \cdot 70^{6} \cdot 70^{9}$
[3] $=$ X $=$ X $=$ X
$ Q = \frac{E \cdot r}{k}$
$Q = \frac{7.37 \cdot 706 \cdot (0.45165)^{2}}{8.99 \cdot 109}$
$Q = 5,792 \cdot 70^{-5}$
$U = \frac{7}{2} \epsilon_0 E^2$ $U = \frac{7}{2} 8.859.70^{-12} \cdot (7.37.78)^2$ $U = \frac{7}{2} 8.859.70^{-12} \cdot (7.37.78)^2$
U = 6.059.10

0

