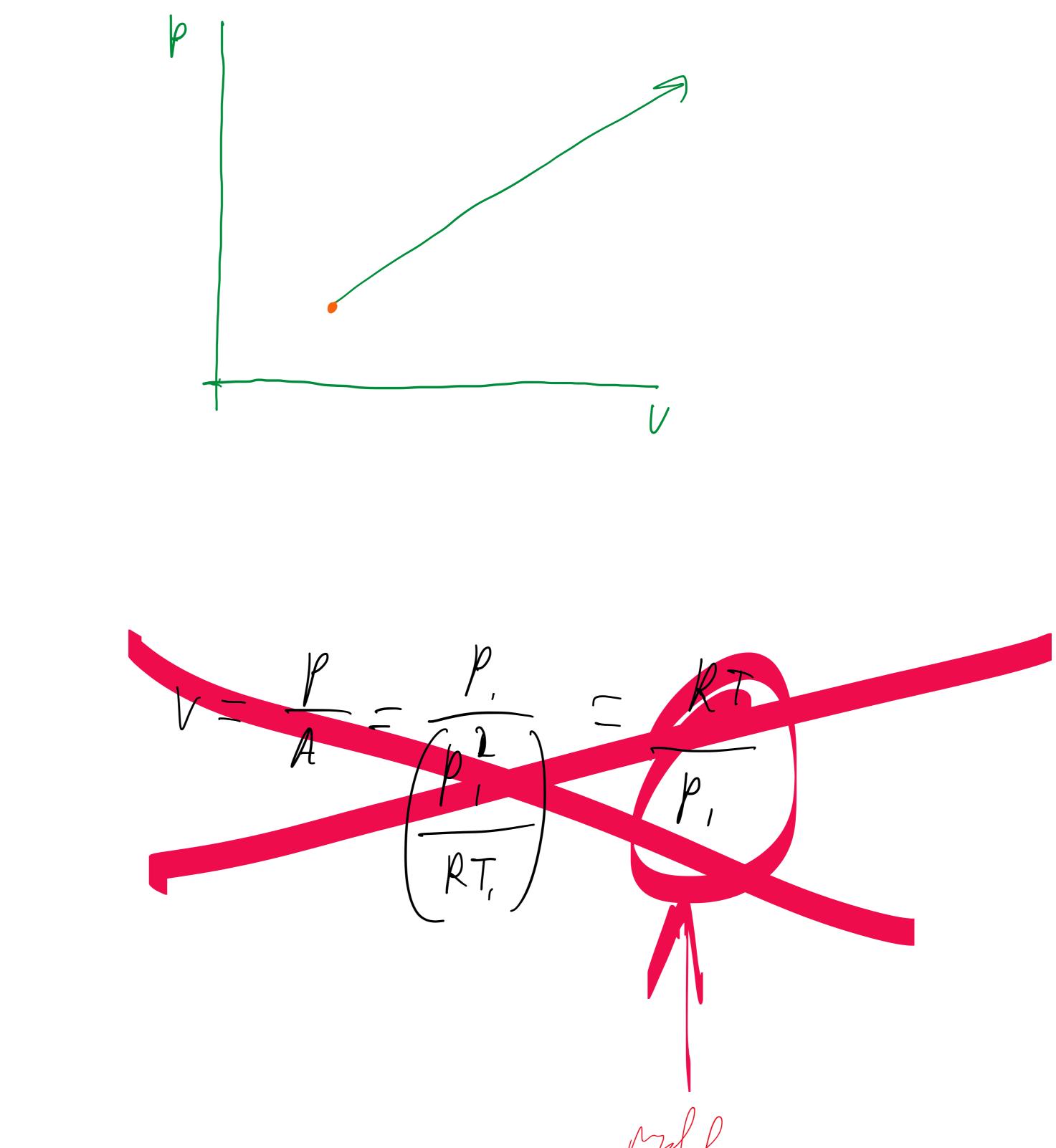
Exercise 2-3

Wednesday, 22 April 2020 14:10 a) ideal gas $\rightarrow PV = n RT$ $P = Av = A \frac{V}{n}$ $A = \frac{n p}{V} = \frac{p^2 V}{V RT} = \frac{P}{R}$

 $A = \frac{{p_i}^2}{kT_i}$



/ Hen)

 $P_{V} = RT$ $V = \frac{RT}{p} \longrightarrow V = \frac{RT}{AV} \implies V^{2} = \frac{RT}{A}$

 $(2V)^2 = 4V^2 = \frac{R}{A} \cdot (4T)$

To Tshould have quadrupled

 $T = 4T_{i} = dook$