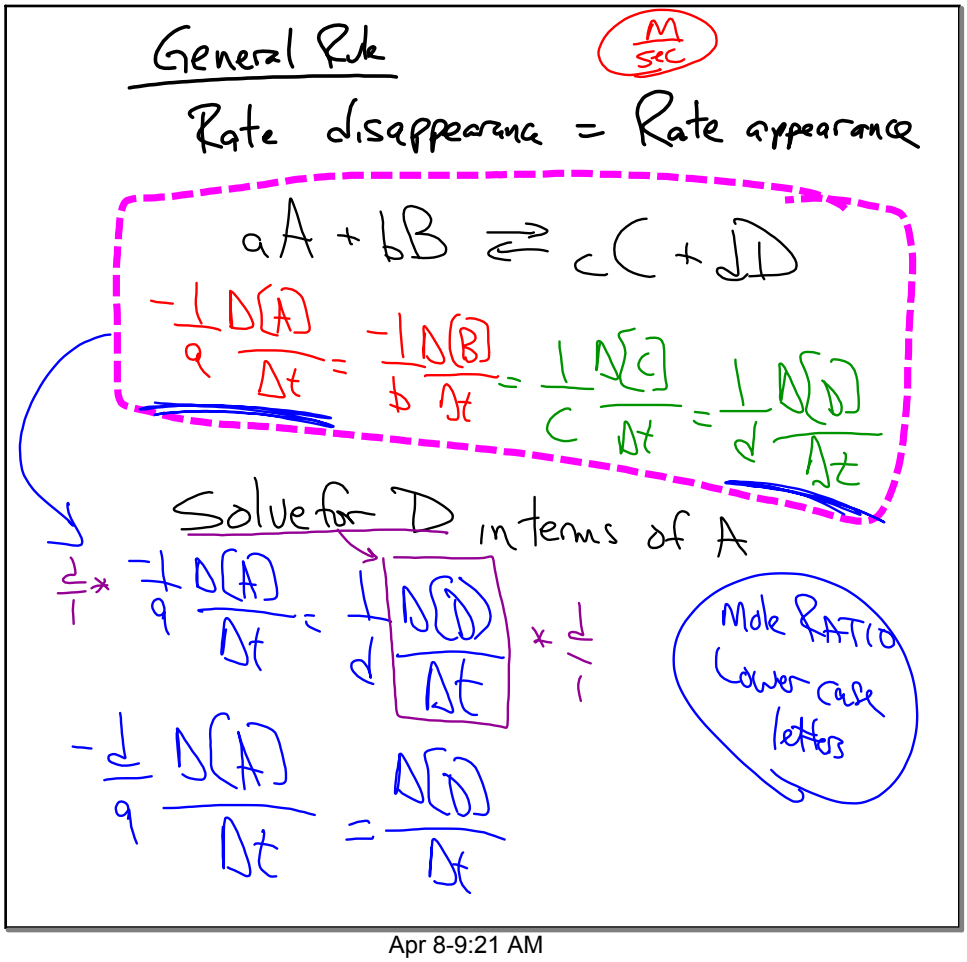
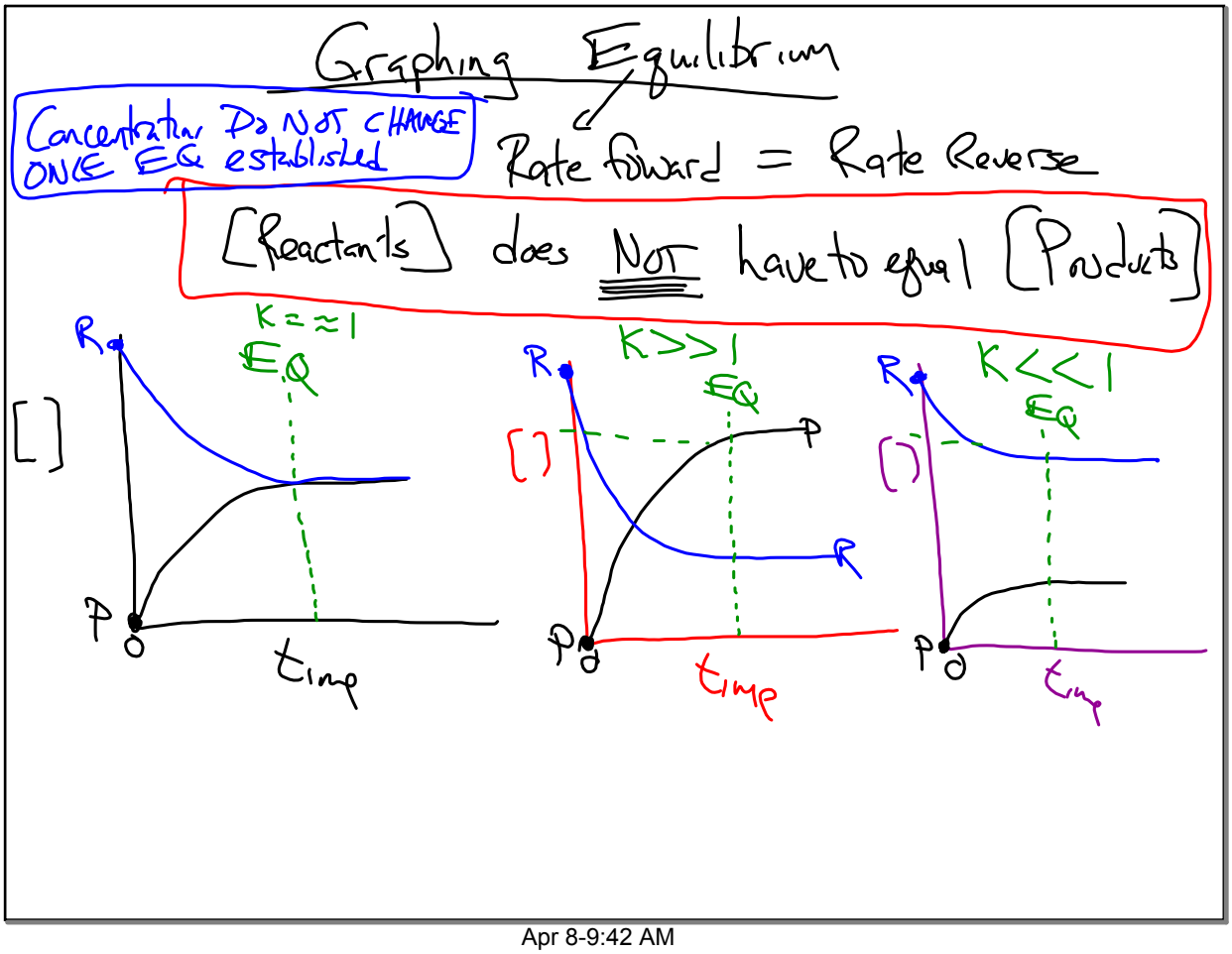


Apr 8-9:21 AM



Apr 8-9:42 AM

$Li_2CO_{3(s)} \xrightarrow{(H_2O)} 2Li^{+1}_{(aq)} + CO_3^{-2}{}_{(aq)}$

$(Li_2CO_{3(s)} + H_2O_{(l)} \rightarrow 2Li^{+1}_{(aq)} + CO_3^{-2}{}_{(aq)})$

$K_{sp} = [Li^{+1}]^2 [CO_3^{-2}] = \text{small \#}$

K_{sp} = solubility product

Apr 8-9:54 AM

$BaF_{2(s)} \rightarrow Ba^{+2}_{(aq)} + 2F^-_{(aq)}$

X X 2X

1.5*10^-2

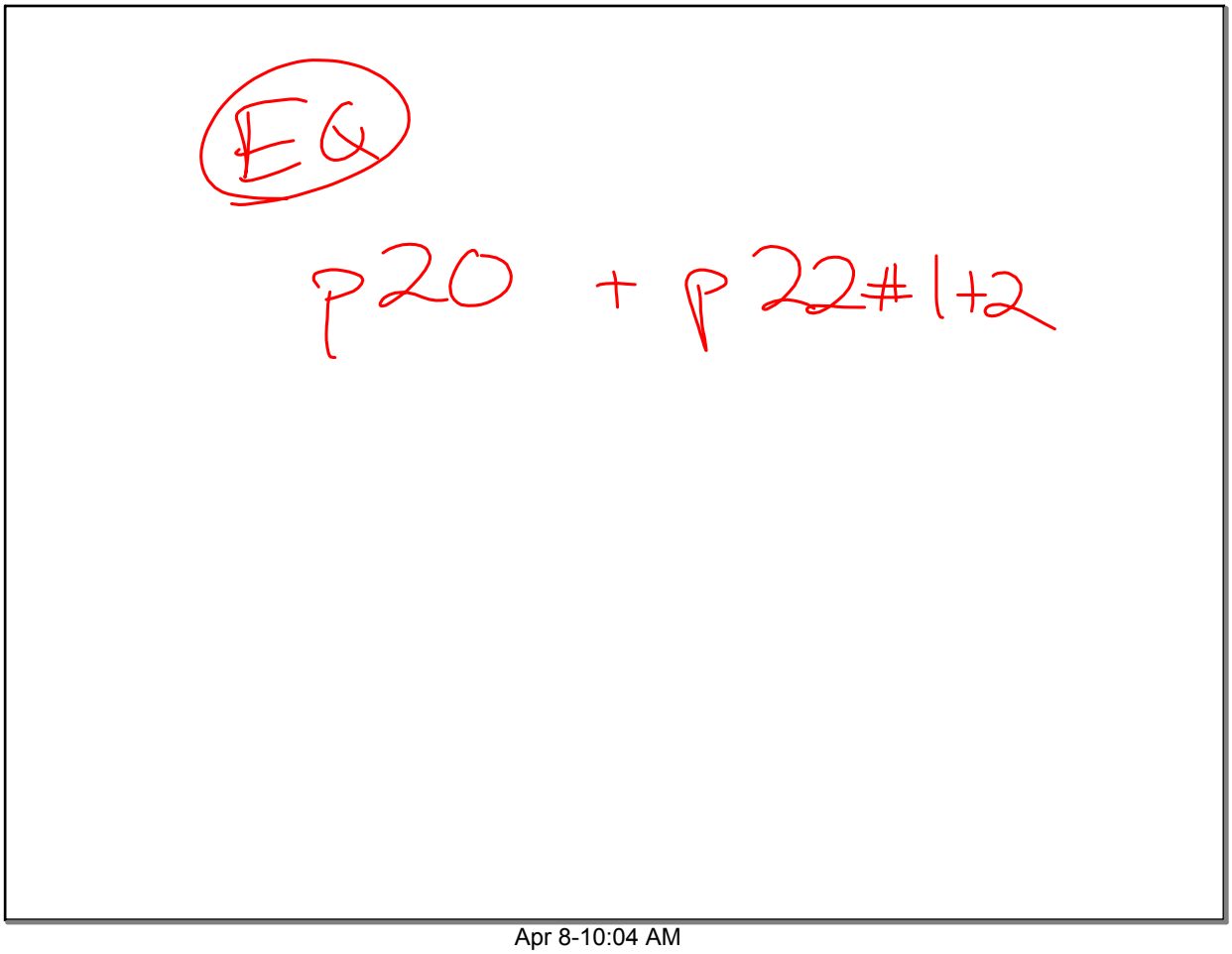
$K_{sp} = 1.7*10^{-6} = [Ba^{+2}][F^-]^2$

$1.7*10^{-6} = (X)(2X)^2$

$1.7*10^{-6} = 4X^3$

$7.5*10^{-3} = X = [Ba^{+2}]$

Apr 8-10:00 AM



Apr 8-10:04 AM