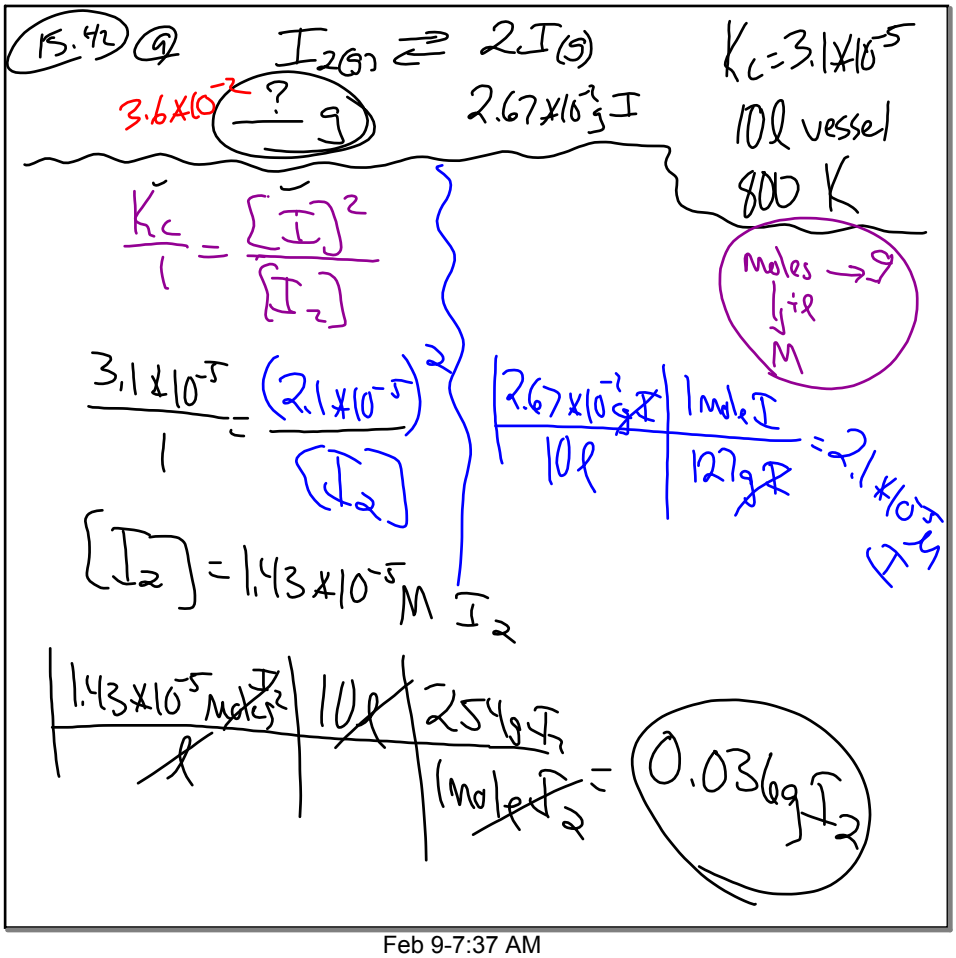
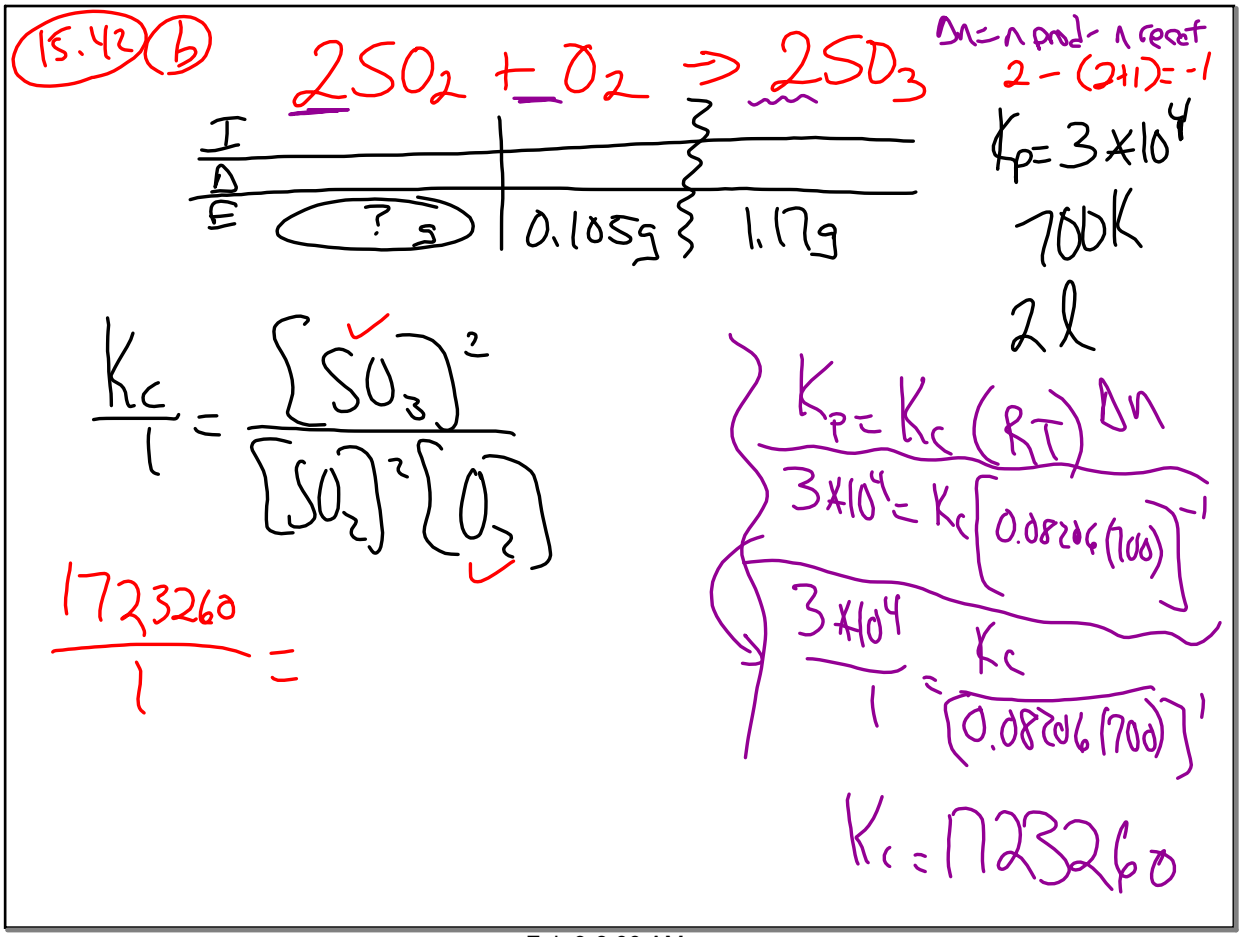
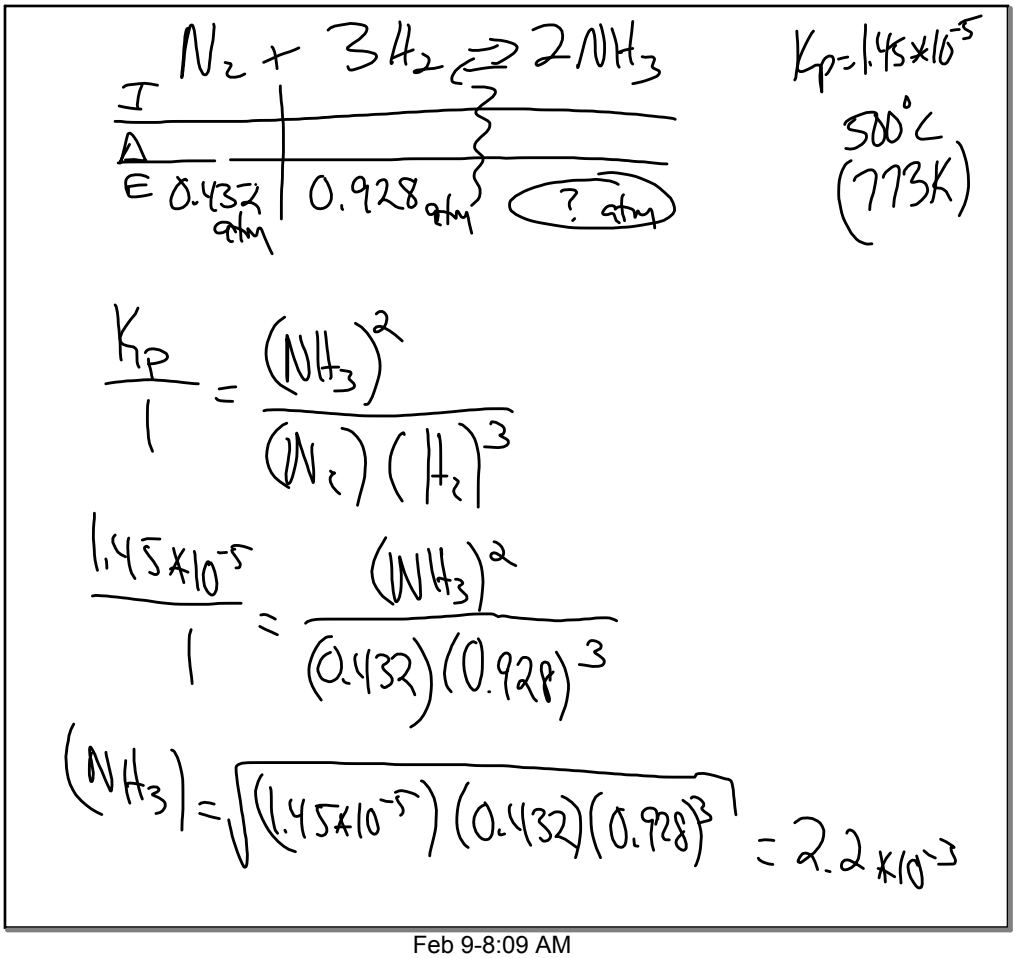


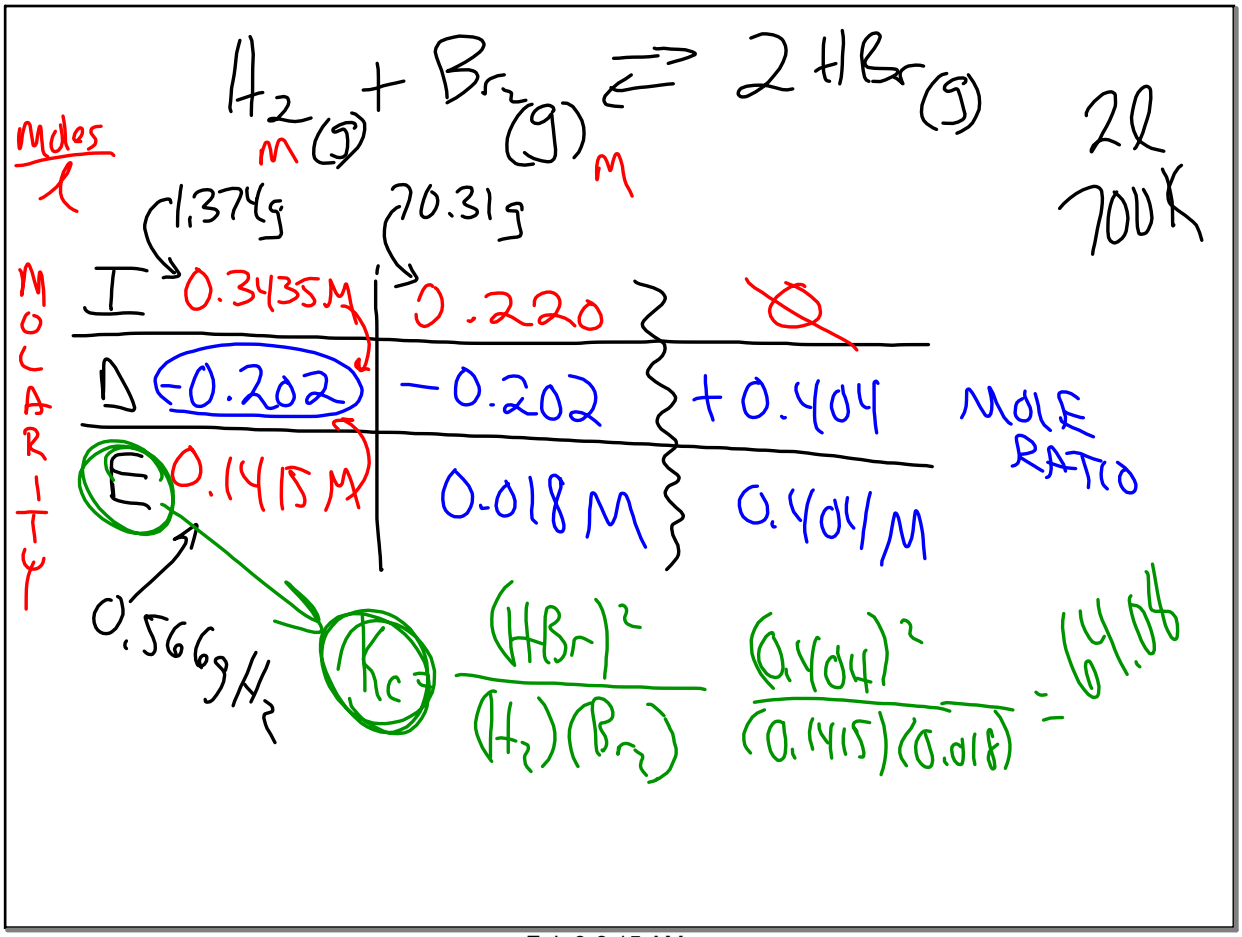
Feb 9-7:37 AM



Feb 9-8:00 AM



Feb 9-8:09 AM



Feb 9-8:15 AM

$$H_2 + I_2 \rightleftarrows 2HI$$

$K_c = 50.5$

448°C

	H_2	I_2	$2HI$
I	1M	2M	∅
Δ	$-x$ 0.935	$-x$ 0.935	$+2x$ 1.87
E	$1-x$ 0.065	$2-x$ 1.065	$2x$ 1.87

⇐ Find [E]

$$\frac{50.5\ K_c}{1} = \frac{[HI]^2}{[H_2][I_2]} = \frac{(2x)^2}{(1-x)(2-x)} = \frac{4x^2}{x^2-3x+2}$$

Feb 9-8:35 AM

$$\frac{4x^2}{x^2-3x+2} = \frac{50.5}{1}$$

$$4x^2 = 50.5x^2 - 151.5x + 101$$

$$46.5x^2 - 151.5x + 101 = ∅$$

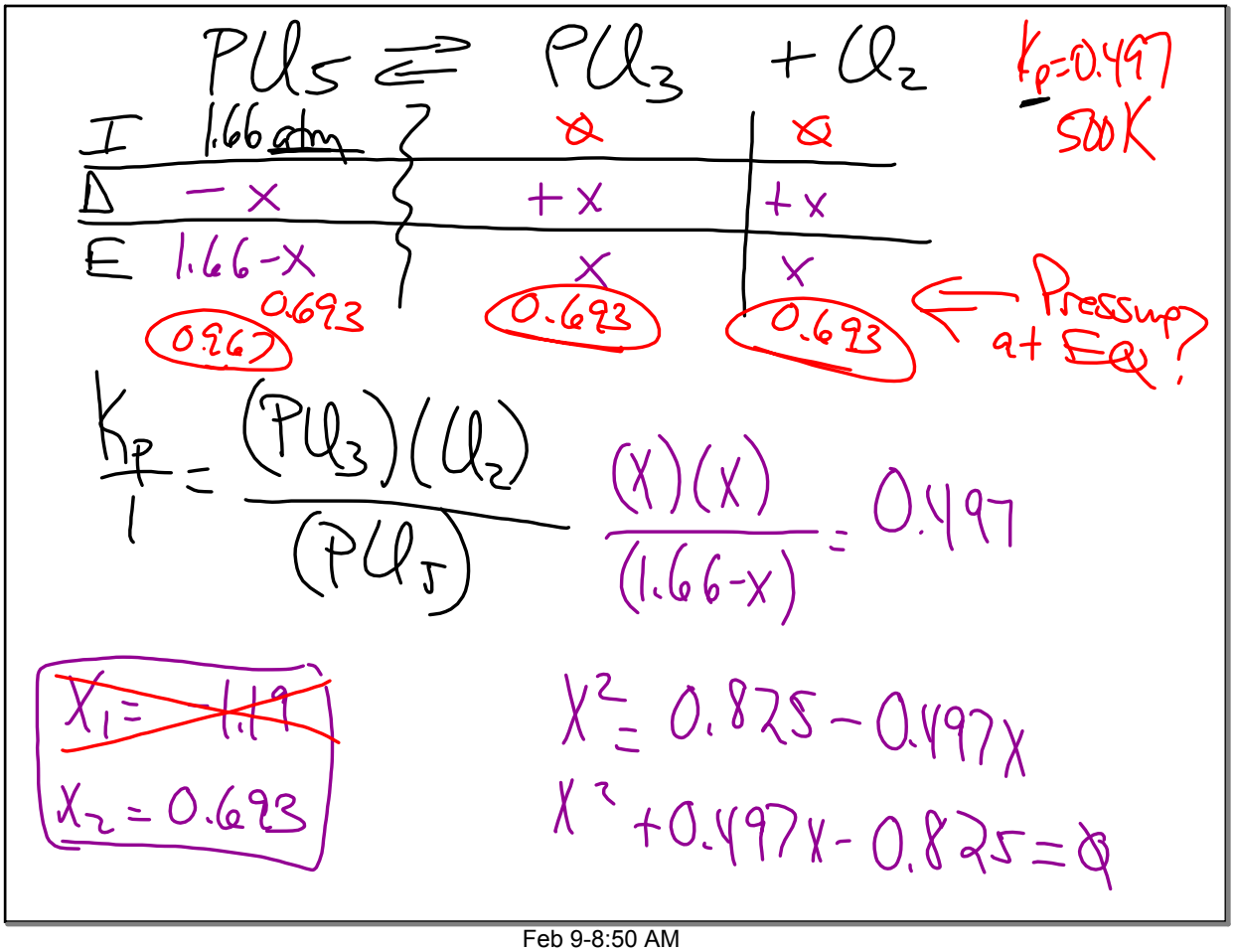
a, b, c

$$x = \frac{-b \pm \sqrt{b^2-4ac}}{2a}$$

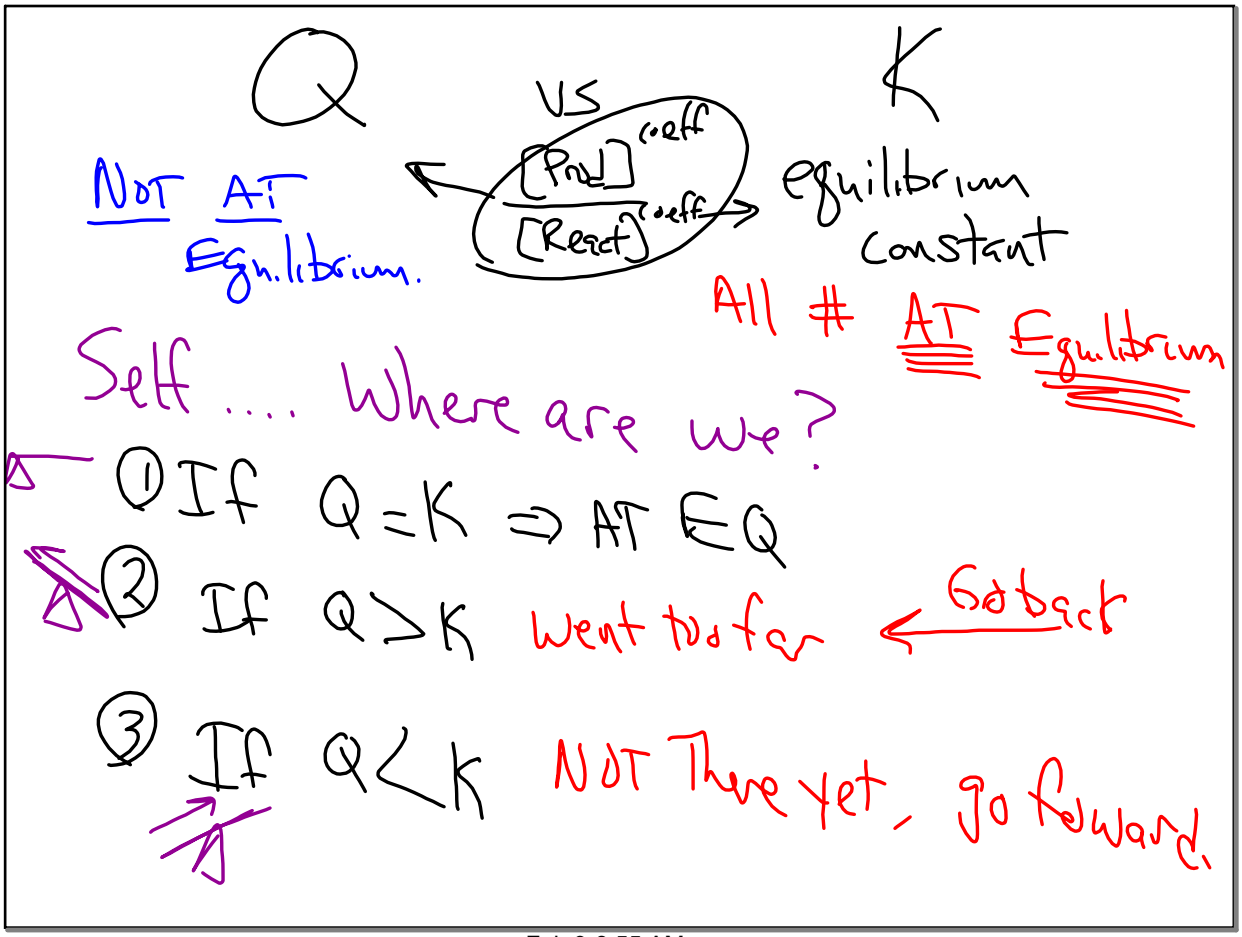
No ~~$x_1 = 2.321$~~ b/c $(1-x)$

$x_2 = 0.935$

Feb 9-8:44 AM



Feb 9-8:50 AM



Feb 9-8:55 AM

LeChatlier's Principle

Shultzy

If ..... Then Statements.

$A_{(g)} + B_{(g)} \rightleftharpoons C_{(g)} + heat$ exo

2 Mole g ⟷ 1 Mole g

↑P →

Feb 9-9:05 AM

PS 15-1 # 1 – 17

Feb 9-9:15 AM