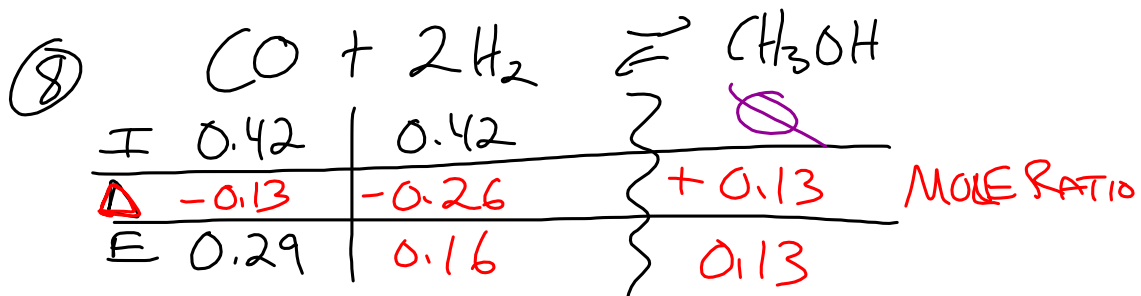




$$\text{Rate} = k[A]^2[B]^1$$

$$\text{Rate} = k[A]^2$$

May 10-7:39 AM



$$K_{eq} = \frac{[\text{CH}_3\text{OH}]}{[\text{CO}][\text{H}_2]^2} = \frac{0.13}{0.29(0.16)^2} = 17.51$$

May 10-8:09 AM

⑨ $\ln A_t = -Kt + \ln A_0$

How much you have at time "t"

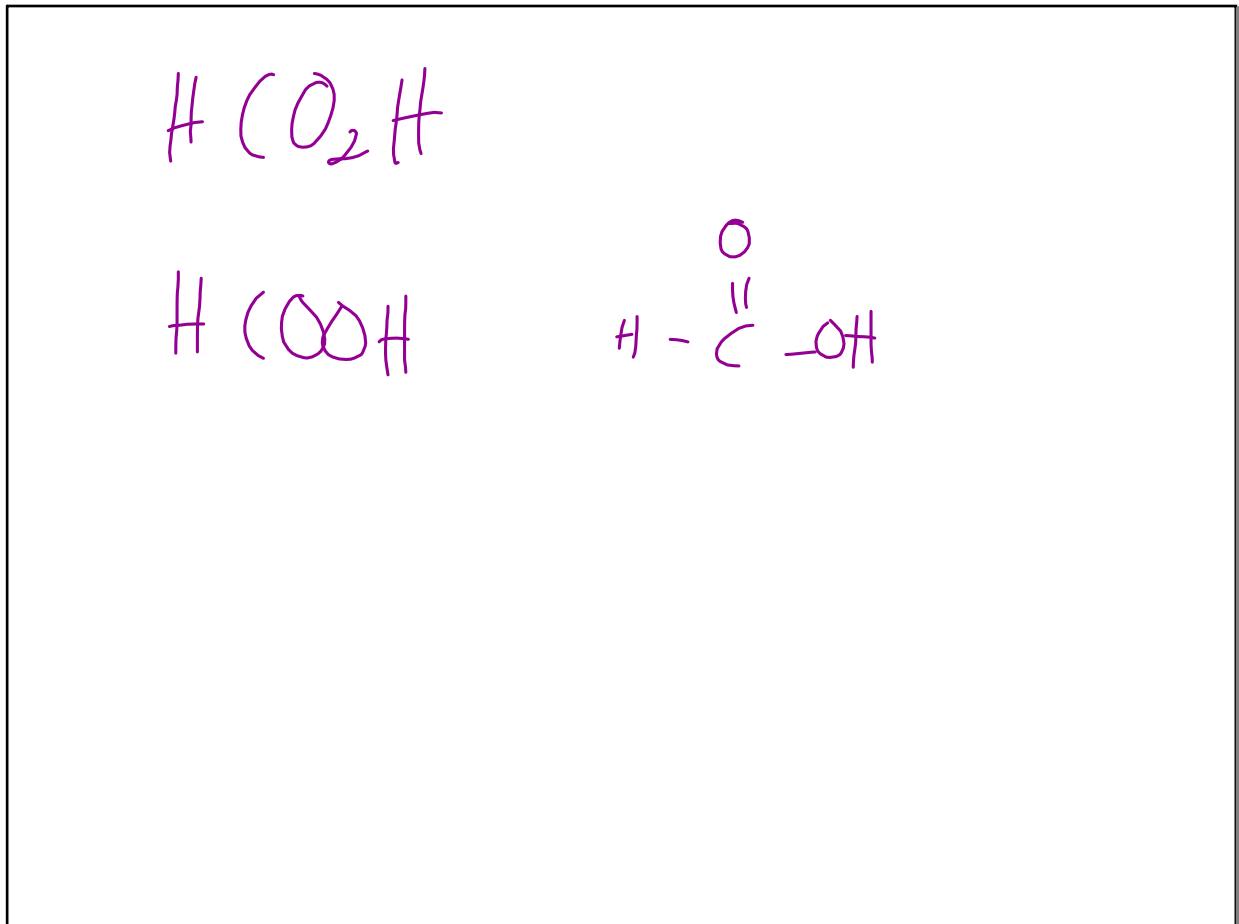
$\ln 0.75 = -K(60) + \ln 1$

$K = 0.0048 \text{ min}^{-1}$

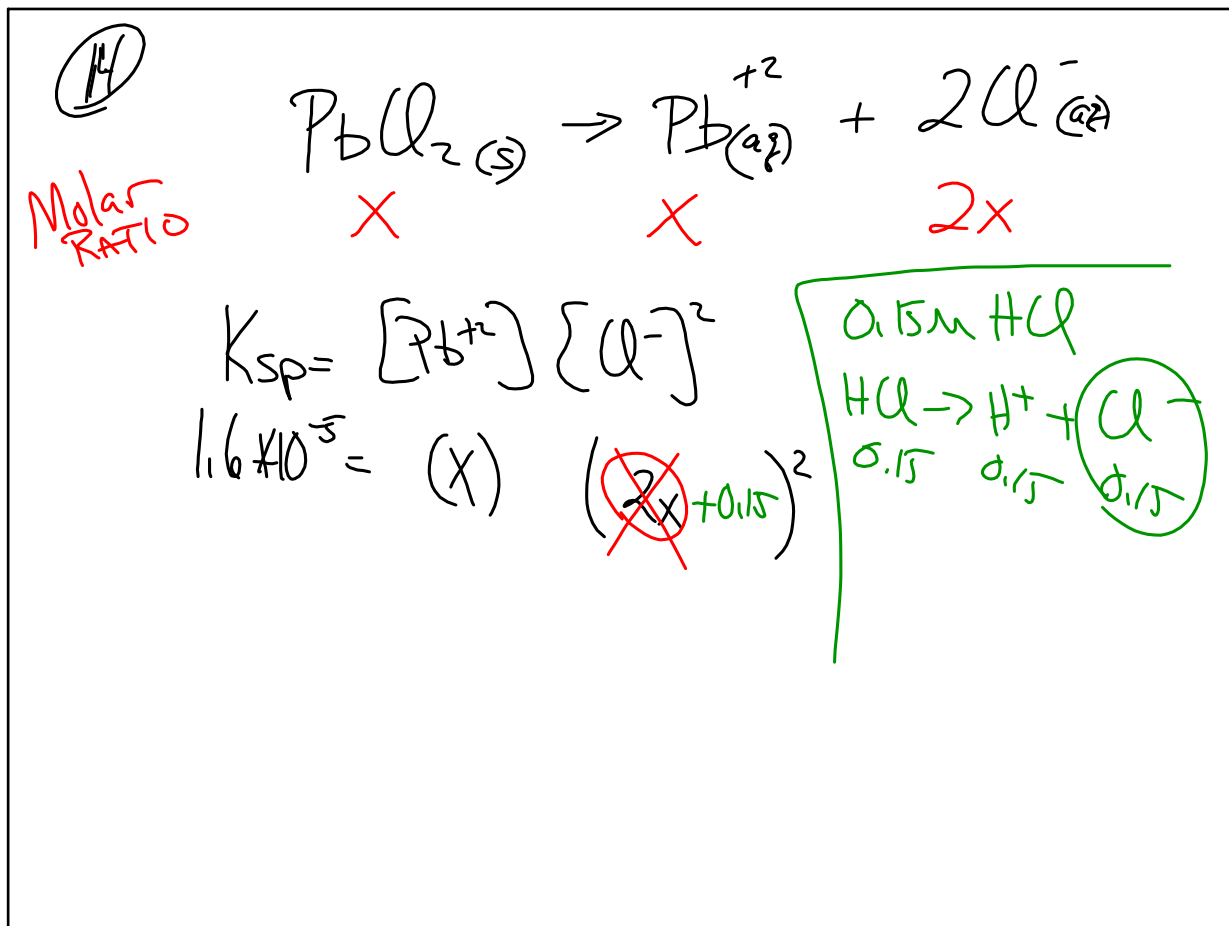
$t_{1/2} = \frac{0.693}{K}$

$t_{1/2} = 144.53 \text{ min}$

May 10-8:13 AM



May 10-8:20 AM



May 10-8:20 AM

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