

Penguin problems 1-7



$$I \quad .0567 \quad .0567$$

$$C \quad -x \quad -x \quad +2x$$

$$E \quad (.0567-x) \quad (.0567-x) \quad 2x$$

$$N_2 = .0528$$

$$O_2 = .0528$$

$$NO = .0078$$

$$K = 0.0125 = \frac{[2x]^2}{(0.0567-x)^2}$$

distribute + solve by  
quadratic. You CANNOT  
take square root of  
both sides. That will  
eliminate one answer.

$$x = 0.0039$$