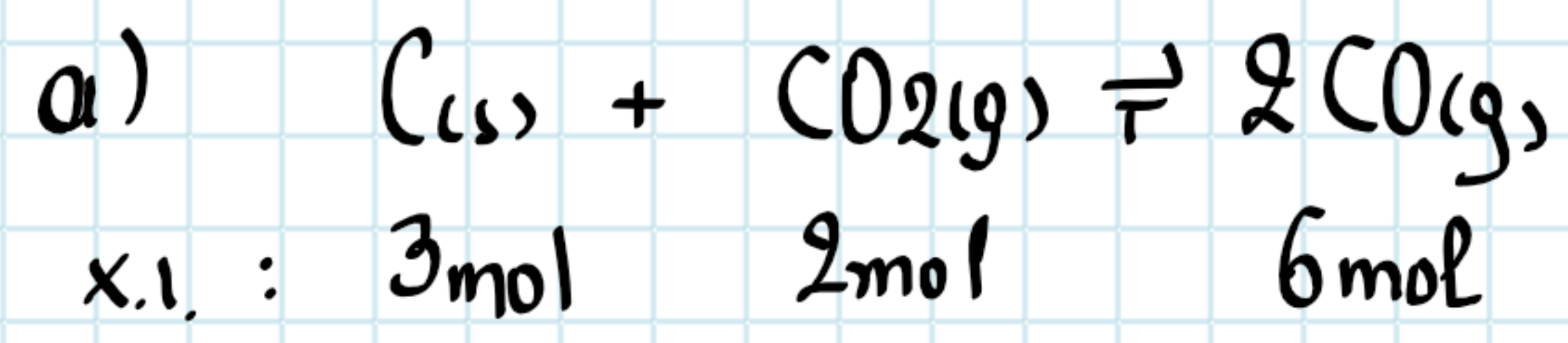
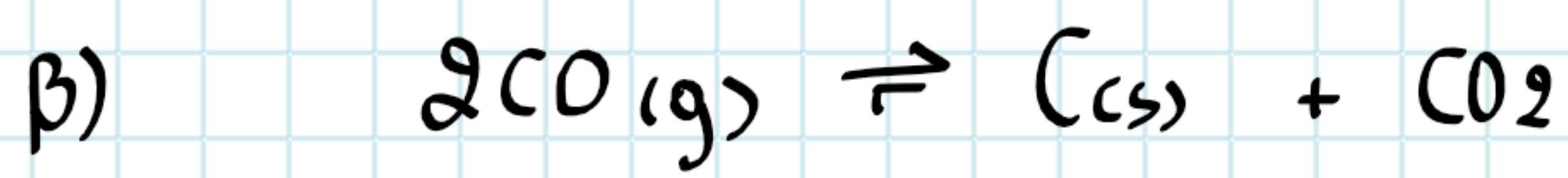


Άσκηση 4.78

$V=5L$ $0^\circ C$ 3mol C , 2mol CO_2 , 6mol CO \Rightarrow



$$K_c = \frac{[CO]^2}{[CO_2]} \Rightarrow K_c = \frac{\left(\frac{6}{5}\right)^2}{\left(\frac{2}{5}\right)} = \frac{\frac{36}{5^2}}{\frac{2}{5}} = \frac{36}{10} = 3,6 \text{ στους } 0^\circ C$$



$$K'_c = \frac{[CO_2]}{[CO]^2} = \frac{\frac{2}{5}}{\left(\frac{6}{5}\right)^2} = \frac{\frac{2}{5}}{\frac{36}{5^2}} = \frac{10}{36} = \frac{1}{3,6} \text{ στους } 0^\circ C$$

⊕ **Παρατηρούμε ότι για δύο ίδιες αλλά αντίστροφες αντιδράσεις:**

$$K'_c = \frac{1}{K_c}$$