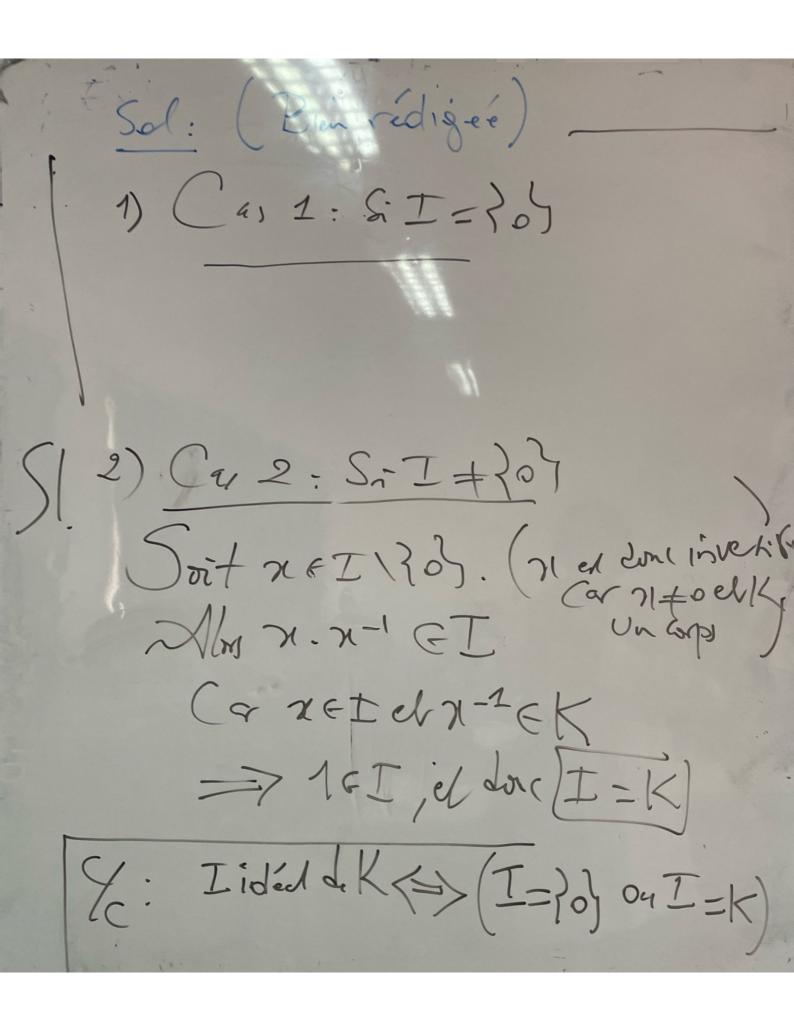
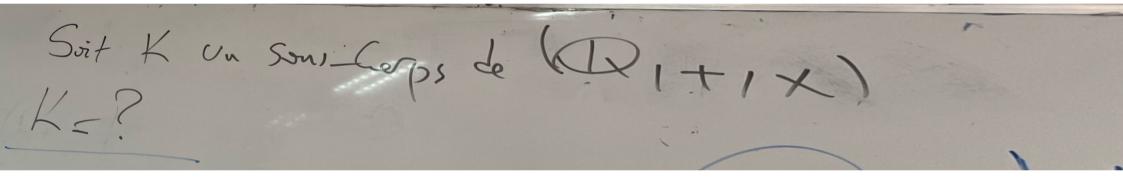
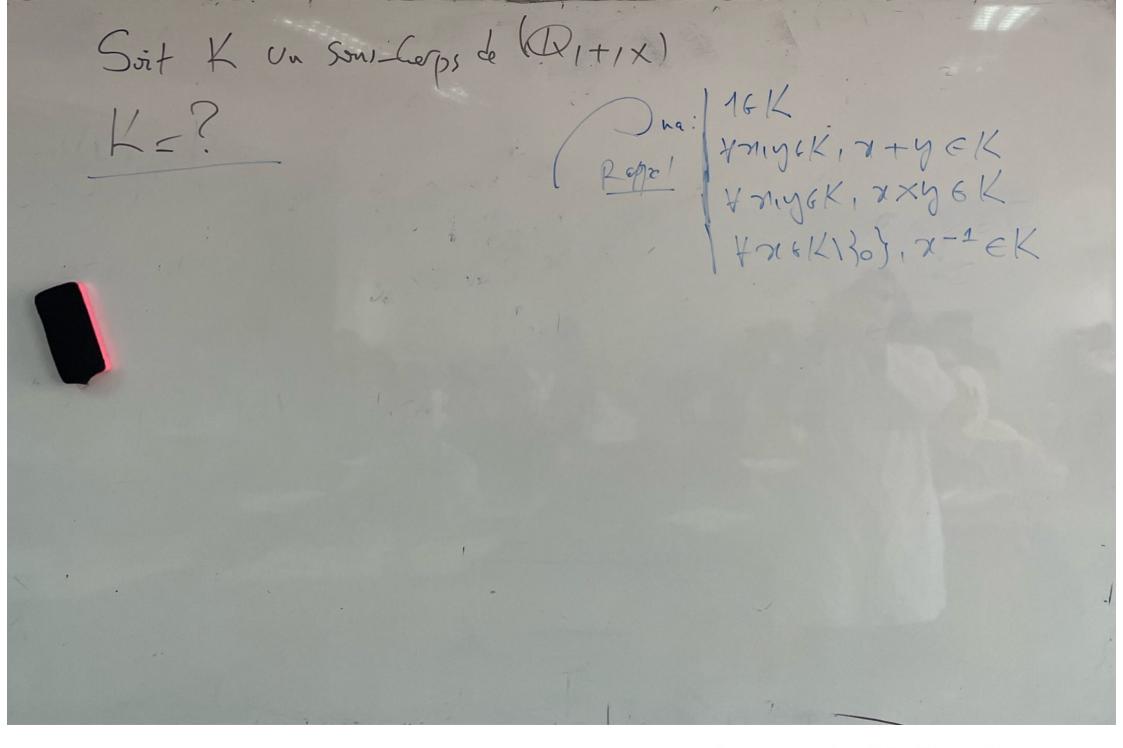


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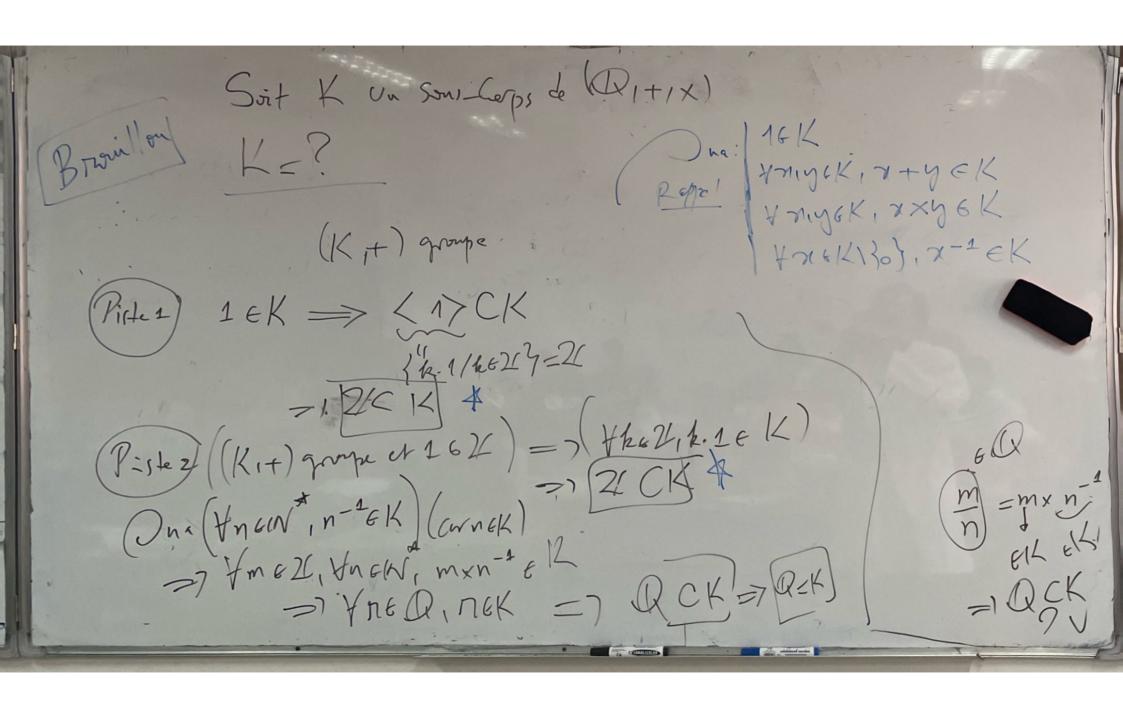


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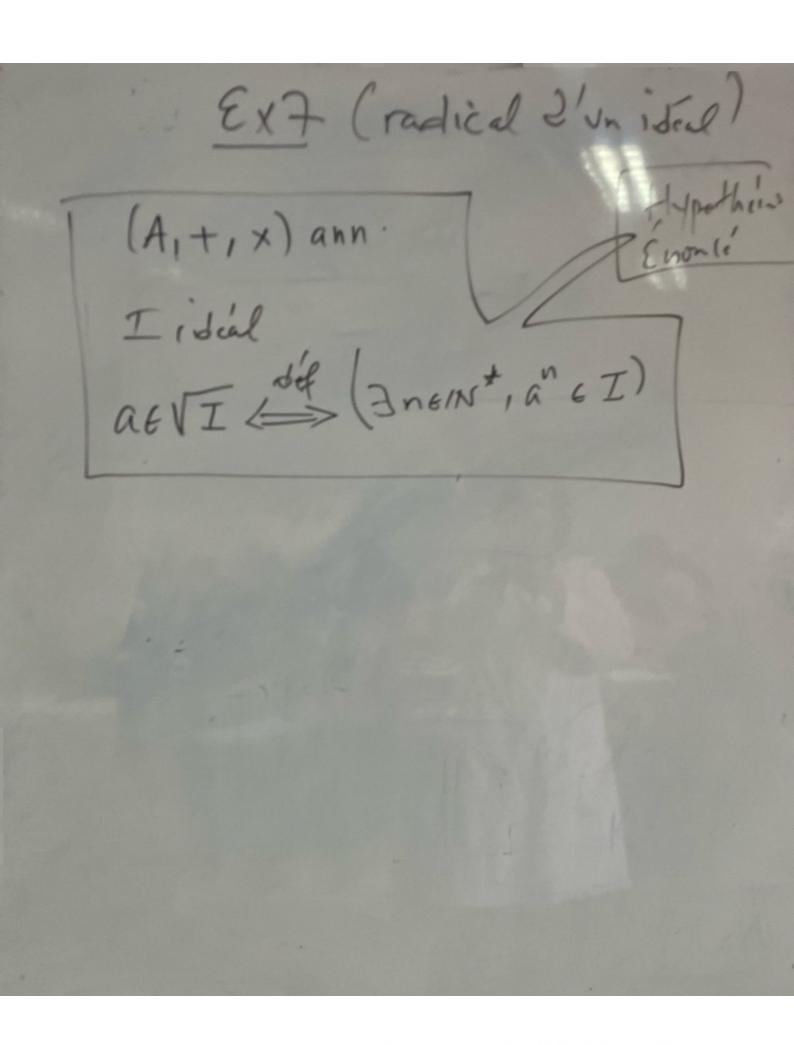
Scanned with CamScanner

Soit  $(A, +, \times)$  un anneau commutatif.

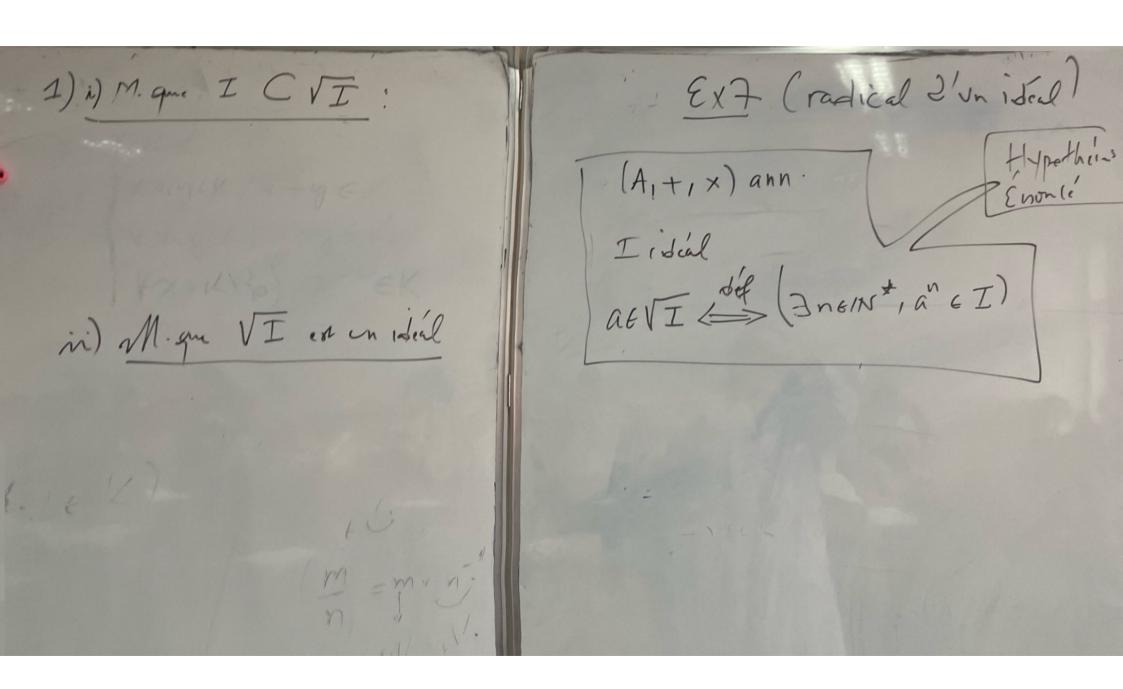
**Définition :** Soit I un idéal de A. On appelle radical de I la partie  $\sqrt{I}$  de A définie par

$$\sqrt{I} = \{ a \in A, \ \exists n \in \mathbb{N}^*, \ a^n \in I \}$$

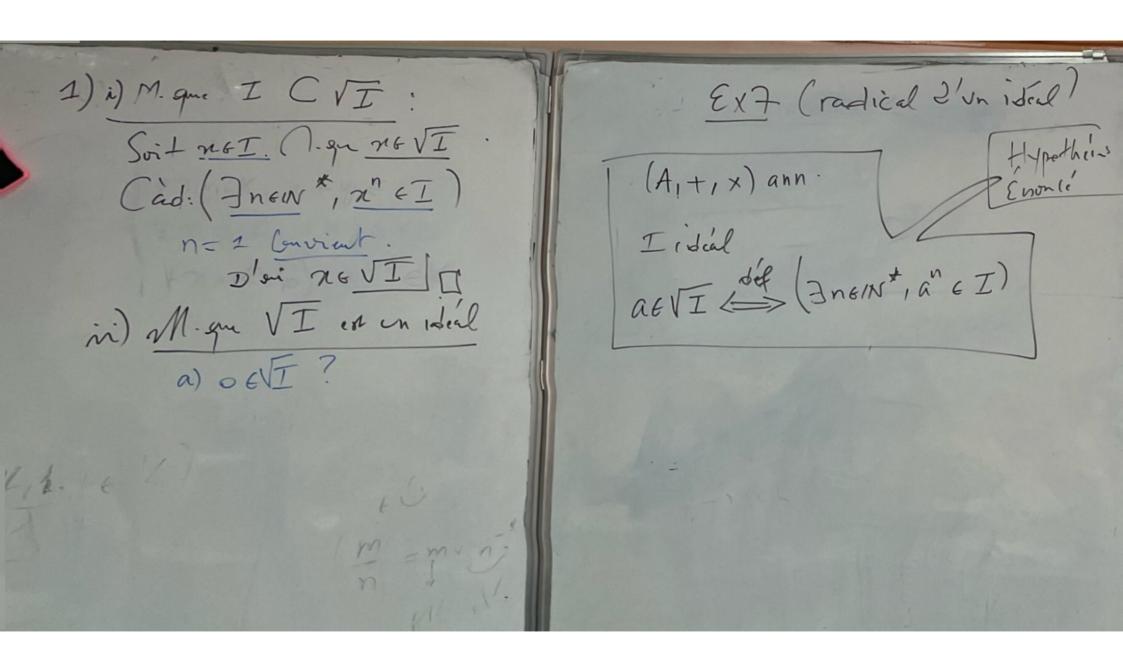
1) Montrer que  $\sqrt{I}$  est un idéal de A contenant I.



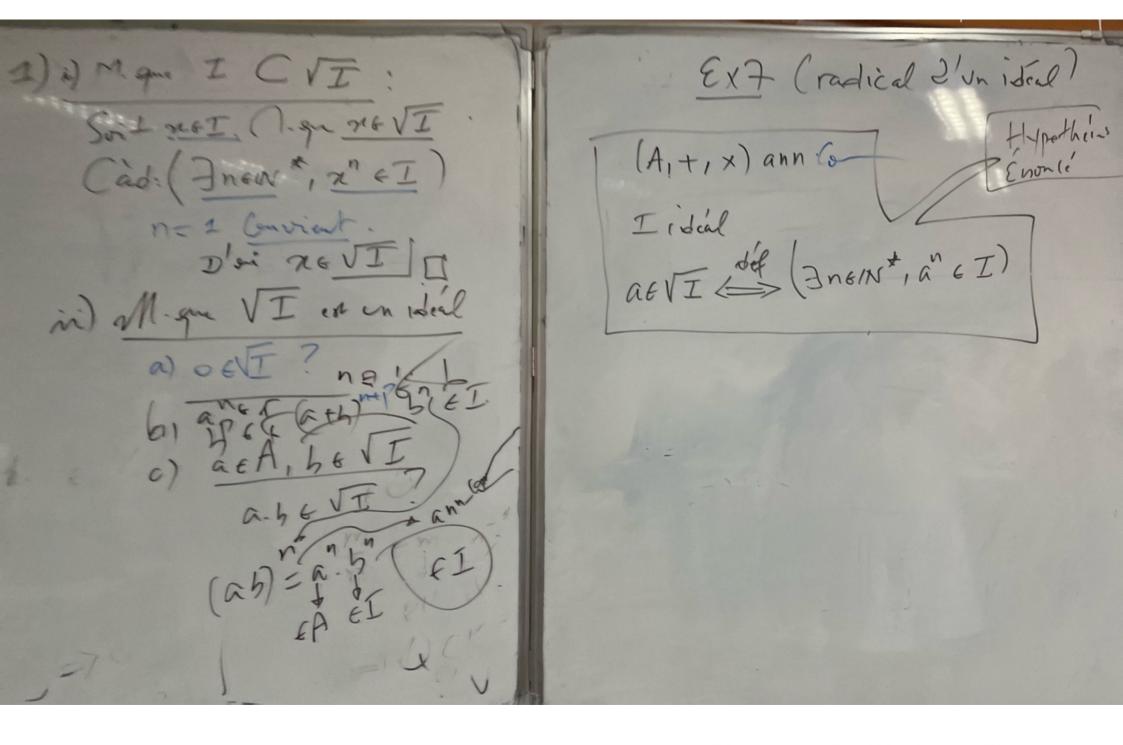
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