Exercitiva Bonus
So re colculate of avair e 202 alx

 $I = \int_{-\infty}^{\infty} \frac{1}{\delta \sqrt{2\pi}} e^{\frac{2\delta}{2\delta a}} dx =$

d'este a constanta » putem so aducum d' vaii in fato integralie

(=>] = 1 00 e (20) dx =

acuarto este o integrolo Gaussiano de forma $\int_{-\infty}^{\infty} e^{-ax^2} dx = \sqrt{\frac{\pi}{a}} \qquad (1)$

I'm coaul mostou A=1 @

Quim Q si Q => $I = \frac{1}{\sqrt[3]{2\pi}} \cdot \sqrt{11 \cdot 2\sqrt[3]{2}} = \sqrt[3]{\frac{\sqrt[3]{2\pi}}{\sqrt[3]{2\pi}}} = \sqrt[3]{2\pi}$