Uniform (a/b):

Rx = [a/b]

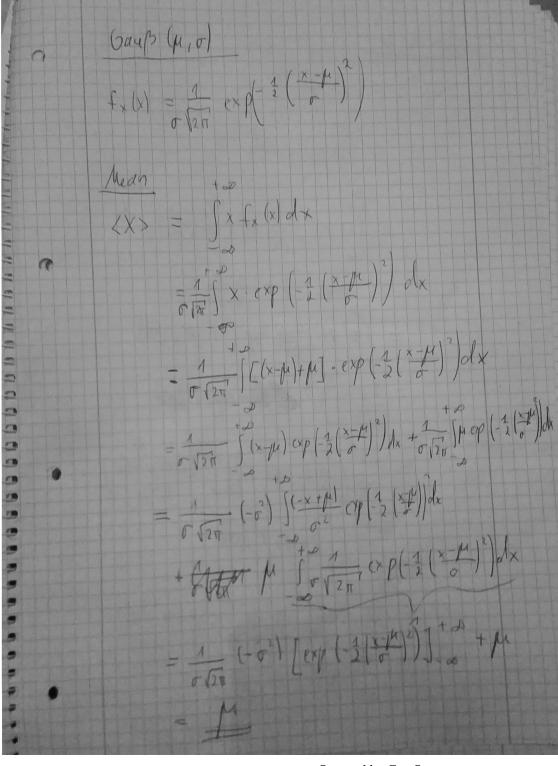
fx(x) = 
$$\int_{b-a}^{A} \int_{b-a}^{a} \int_{a}^{b} x + Rx$$

Mean

(X> =  $\int_{x}^{a} \int_{x}^{a} (x) dx = \int_{x}^{a} \int_{b-a}^{a} dx$ 

$$= \int_{a}^{a} \int_{$$

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= \( (x-\mu)^2 \frac{1}{\sqrt{27}} \cop\(-\frac{1}{\sqrt{27}}\)\de 10 2+2 1 exp (-+2) 0 Vidt = 20 1 + 2 . Red = exp(-t2) At 20 [1+ cxp(-i)] + (1/10 pitals) 20° 5-104(+°) dt  $0 + \frac{2\sigma^2}{\sqrt{\pi}} \int_{-\infty}^{+\infty} \exp(-f^2) df$   $\frac{\sigma^2}{\sqrt{\pi}} = \frac{\sigma^2}{\sqrt{\pi}}$ 

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Gauß (M. o) Uniform (ab) mean 1/2 (b-a) Variance