Link 07/05/2020

- ➤ Link alle due lezioni registrate:
 - o https://drive.google.com/open? id=1juVxhpCZDPCA_J5pDnL08f6_BlLqAF1e

Es. 5.8 (5.19)

5.19. $\star\star$ A student measures a quantity y many times and calculates his mean as $\bar{y} = 23$ and his standard deviation as $\sigma_y = 1$. What fraction of his readings would you expect to find between

(a) 22 and 24?

(d) 21 and 23?

(b) 22.5 and 23.5?

(e) 24 and 25?

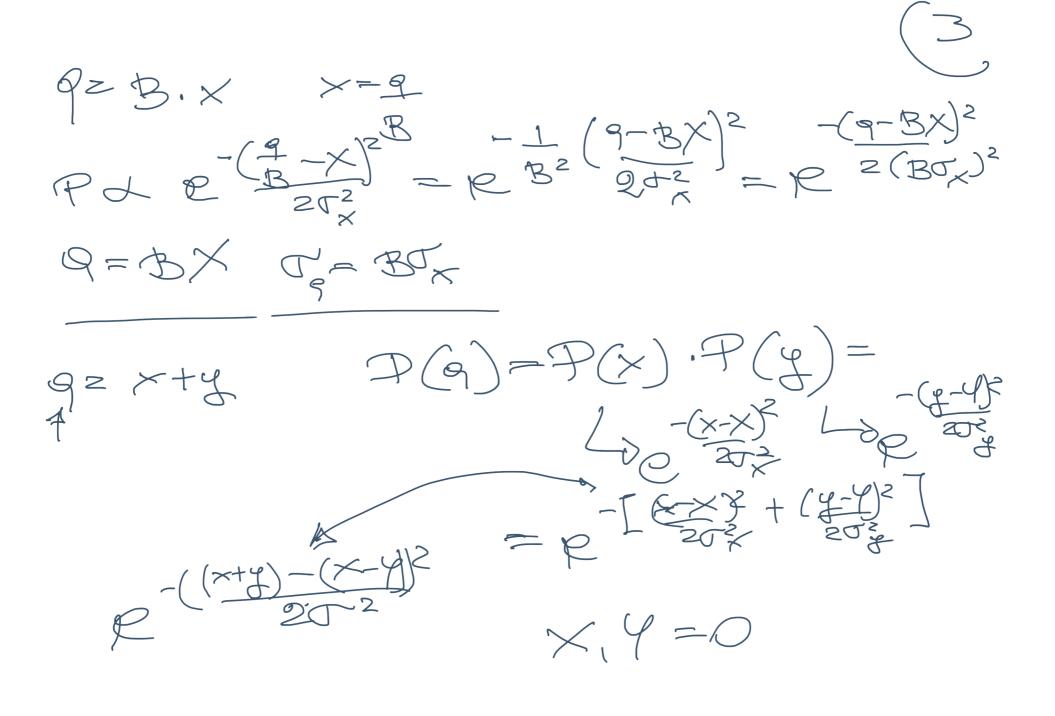
(c) 21 and 25?

Finally, (f) within what limits (equidistant on either side of the mean) would you expect to find 50% of his readings? (The necessary information for all parts of this question is in Figure 5.13. More detailed information on these kinds of probabilities is in Appendixes A and B.)

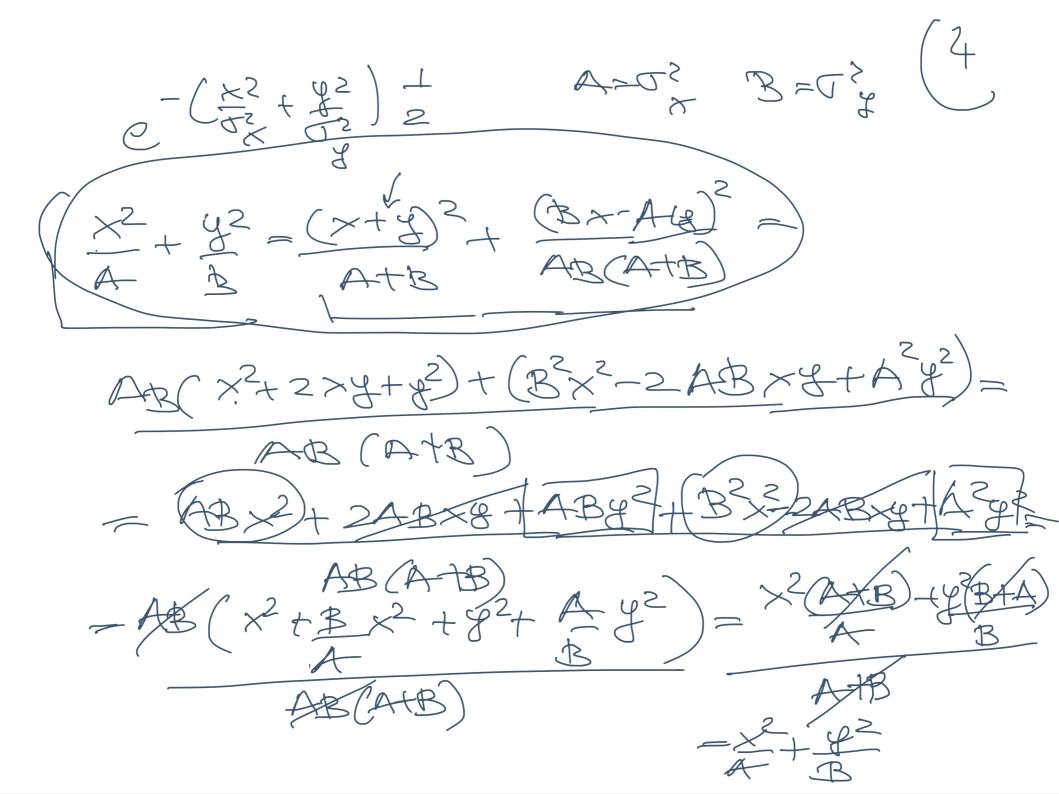
07/05/2020 so for ytho b) 22.5÷ 23.5° (23)9-1+93 7-23 c) 21-25 = 20-5× A. Fx,0 e) 24:95 (23) Robob, (23-25) = 48%, Probab. (23:24) = 68 % = 34/, Robob = 486-34% = 14% 232425

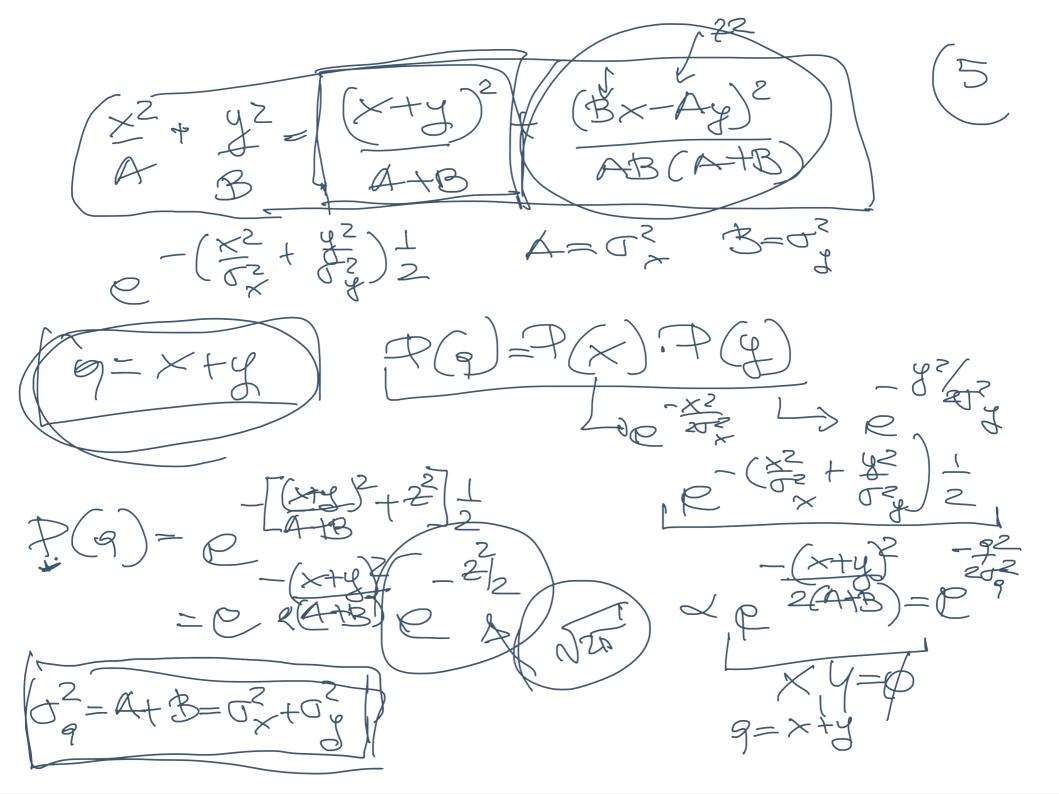
X= ZIX; Shime P(x)-1-C 02 5. (x,-x) 71,4,2 ... (XOK) (4,0%) (2,02) 9++(x,42) Q,5 $\frac{1}{2} \times +A \times \sqrt{2} - (9-(X+A))$ $\frac{1}{4} \times = 9-A \times 0$ $\frac{1}{4} \times -4 \times 0$ $\frac{1}{4} \times$

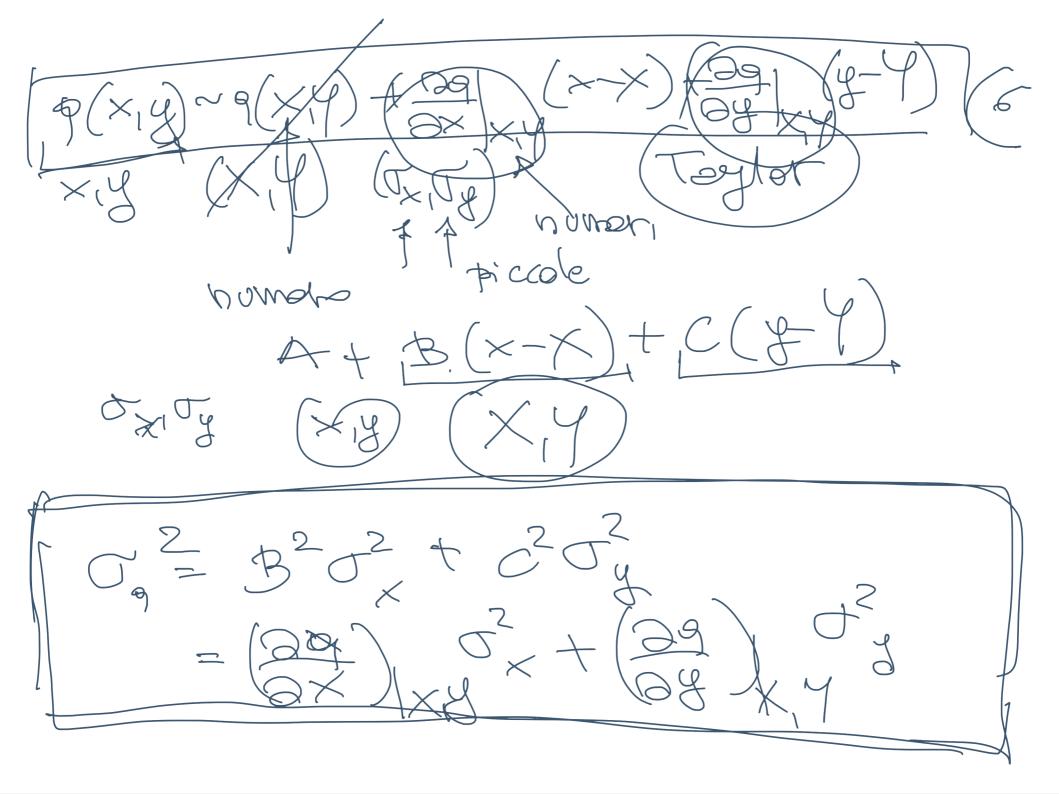
. -

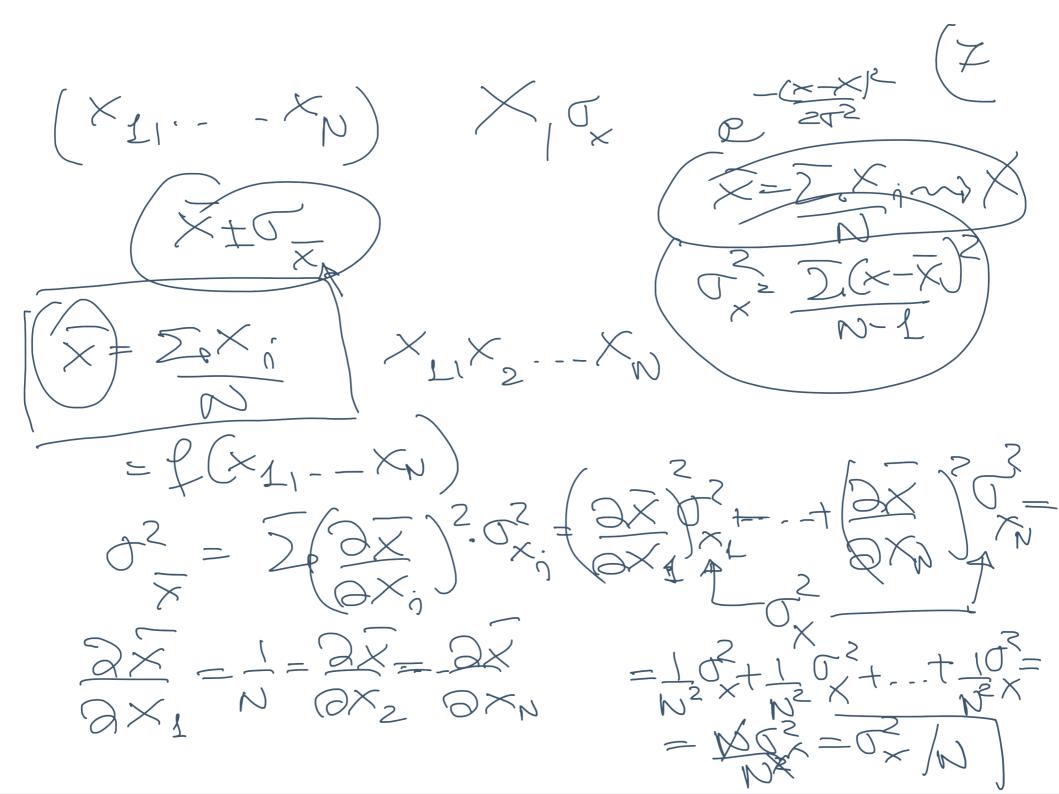


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000 030AUB):

 $2 \times -X$ $=\times(\omega_{\lambda}t)$ -X3 WB WATWR

